APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Advances in the Chemical Industry of the Soviet Union Over a Period of 40 Years, by S. M. Tikhomirov, I. K. Zamarayev, 51 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, No 11, Nov 1957, pp 1203-1229.

ATIC F-TS-9400/V

USSR
Econ
Sci - Chemistry
Jun 58

65,623

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Forty Years of Development of Inorganic Chemistry in the USSR, by I. I. Chernyayev, 21 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, No 11, Nov 1957, pp 1230-1240.

ATIC F-TS-9400/V

USSR
Econ
Sci - Chemistry
Jun 58

65, 624

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

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Soviet Organic Chemistry During 40 Years, by A. N. Nesmeyanov, M. I. Kabachik, 98 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, No 11, Nov 1957, pp 1241-1294.

ATIC P-TS-9400/V

USSR
Econ
Sci - Chemistry
Jun 58

65,625

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Principal Stages in the Development of the Chemistry of High-Molecular Compounds During 40 Years, by V. V. Korshak, 29 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, No 11, Nov 1957, pp 1295-1309.

ATIC F-TS-9400/V

USSR
Econ
Sci - Chemistry
Jun 58

65,626

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

The Development of Chemical Physics in the USSR During Forty Years, by V. N. Kondrat'ev.

RUSSIAN, per: Uspekh Khim, Vol XXVI, No 11, 1957, pp 1310-1319. 78/70/73

ATS RJ-1716

USSR.

Sci - Chem, Phys
Jul 59

90, 452

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Rebinder, P. A.
DEVELOPMENT DE LA CHIMIE COLLOÏDALE EN U. R. S. S. AU COURS DES QUARANTE DERNIERES ANNEES, tr. by Mme. Bourrely. 27 Oct 59 [73]p. 337 refs. CEA Trans. no. R 748 (text in French). Order from OTS or SLA $7.60 61-23752

Trans. in French of Usp[ekhi] Khim[ii] (USSR) 1957, v. 26, no. 11, p. 1320-1342.

DESCRIPTORS: *Colloids, *Chemistry, USSR.

(Chemistry--Physical, TT. v. 6, no. 6)

61-23752

I. Rebinder, P. A.
II. CEA-tr-R748
III. Commissariat à l'Énergie Atomique (France)

176673

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

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Advances of Analytical Chemistry Over 40 Years, by I. P. Alimarin, 16 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 11, 1957, pp 1343-1354.

[redacted]
ATS-58L3CR
AIS-RJ-1984

Sci - Chem
Sep 59
Vol 2, No 1

97,241

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Polymerization of Olefines Into High Molecular Products Over Oxidation Catalysts, by A. V. Topchiyev, et al. UNCL

RUSSIAN, per, Uspekh Khim, Vol XXVI, No 12, 1957, pp 1355-1374.

Co-op Tr Scheme 611
(LB.)

Bol - Chem
Mar 59

83,411

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

S-123/60 (NY-3662)

Thermodynamic and Kinetic Features of the Isotopic Exchange Reactions of Hydrogen, by Ya. M. Varshavskiy, S. E. Vaysberg, 55 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, no 12, 1957, pp 1434-1468.

JPRS 5401

Reverse tr to French CEA R-560

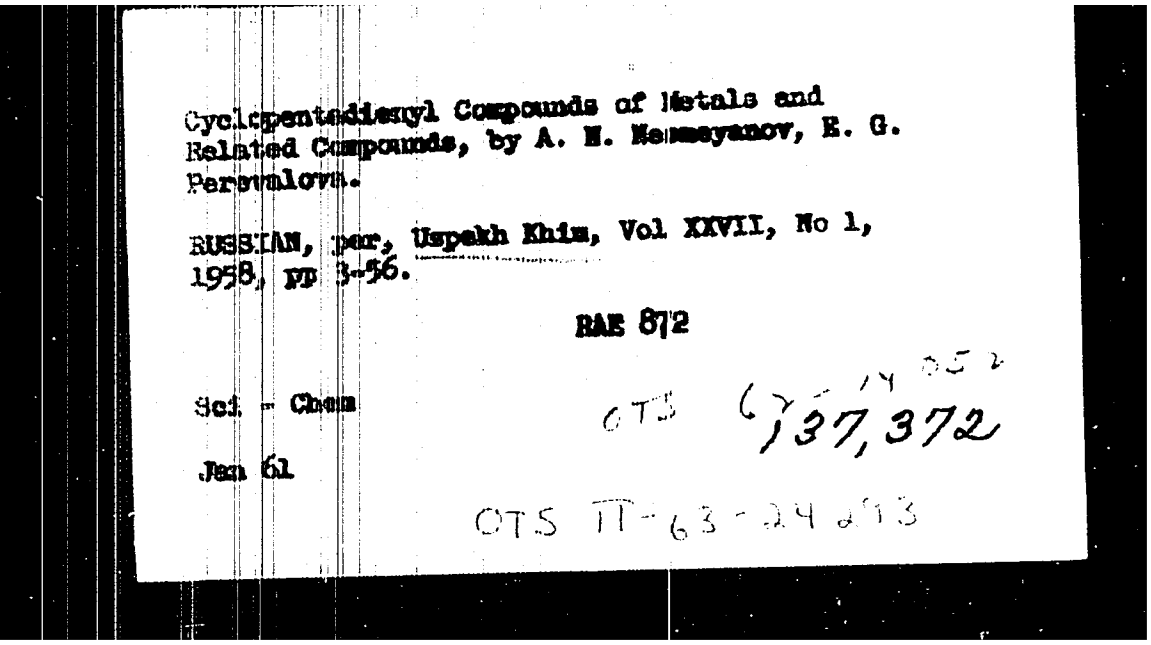
Sci - Chem

Aug 60

125,160

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1



Cyclopentadienyl Compounds of Metals and Related Compounds, by A. N. Nesmeyanov, E. G. Perevalova.

RUSSIAN, per, Uspekh Khim, Vol XXVII, No 1, 1958, pp 3-56.

RAE 872

Sci - Chem

Jan 61

OTS 63-14052

OTS 137,372

OTS TT-63-24213

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Structure and Nature of the Bonds in Aromatic Complexes of Metals, by M. E. Dyatkina.

RUSSIAN, per, Uspekh Khim, Vol XXVII, No 1, 1958, pp 57-93.

Assoc Tech Serv RJ-1420
" " " 77E23R

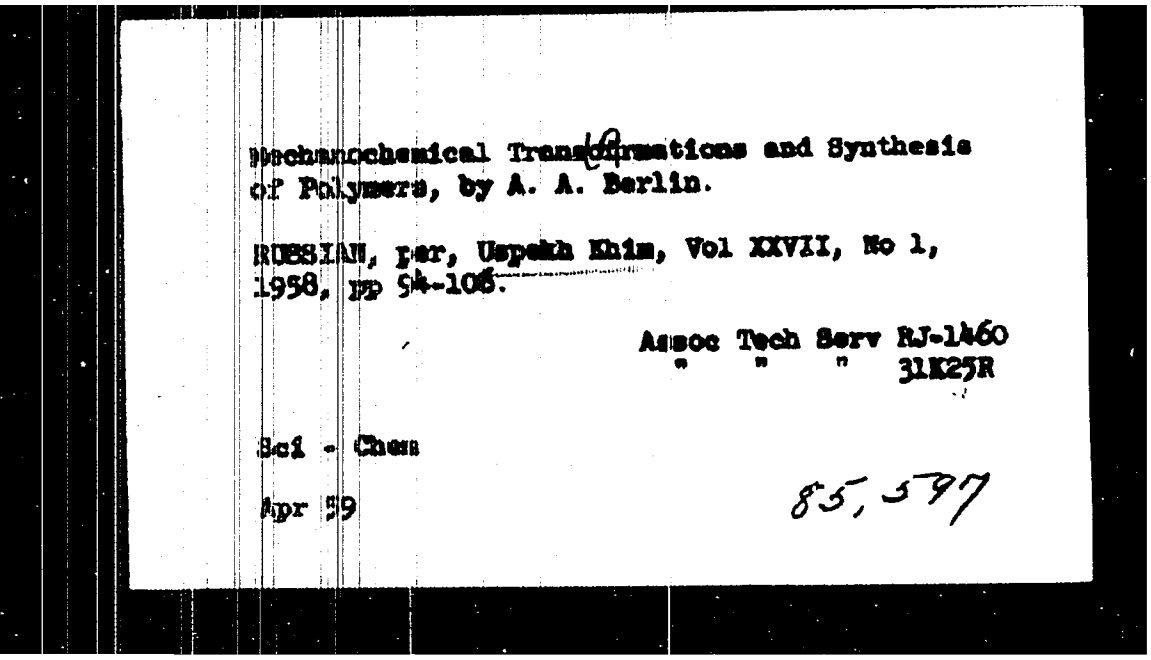
Sci - Chem

Apr 59

85,303

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1



Mechanochemical Transformations and Synthesis of Polymers, by A. A. Berlin.

RUSSIAN, per, Uspekh Khim, Vol XXVII, No 1, 1958, pp 94-106.

Assoc Tech Serv RJ-1460
" " " 31K25R

Sci - Chem

Apr 59

85,597

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Action Chimique des Atomes Obtenus a la Suite de Transformations Nucleaires, (Chemical Effects of Atoms from Nuclear Reactions), by A. N. Nesmeyanov, & E. A. Borisov, 95 pp.

RUSSIAN to FRENCH, per, ~~ME~~ Uspekhi Khim, Vol XXVII, 1958, pp 133-161.

Reverse Trans
CEA Tr-R-933

Sci
25 Apr 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Malkin, V. I.
MOBILITY OF CATIONS IN SILICATES [O Podvizhnosti Kationov v Silikatakh]. [1961] 11p.
Order from ATS $19.95 ATS-76N50R

Trans. of Uspekhi Khim[ii] (USSR) 1958, v. 27, no. 3, p. 306-315.

DESCRIPTORS: *Silicates, Ions, Motion.

(Chemistry--Physical, TT, v. 6, no. 8)

61-22345

1. Malkin, V. I.
II. ATS-76N50R
III. Associated Technical Services, Inc., East Orange, N. J.

TT/A-3048

15169

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

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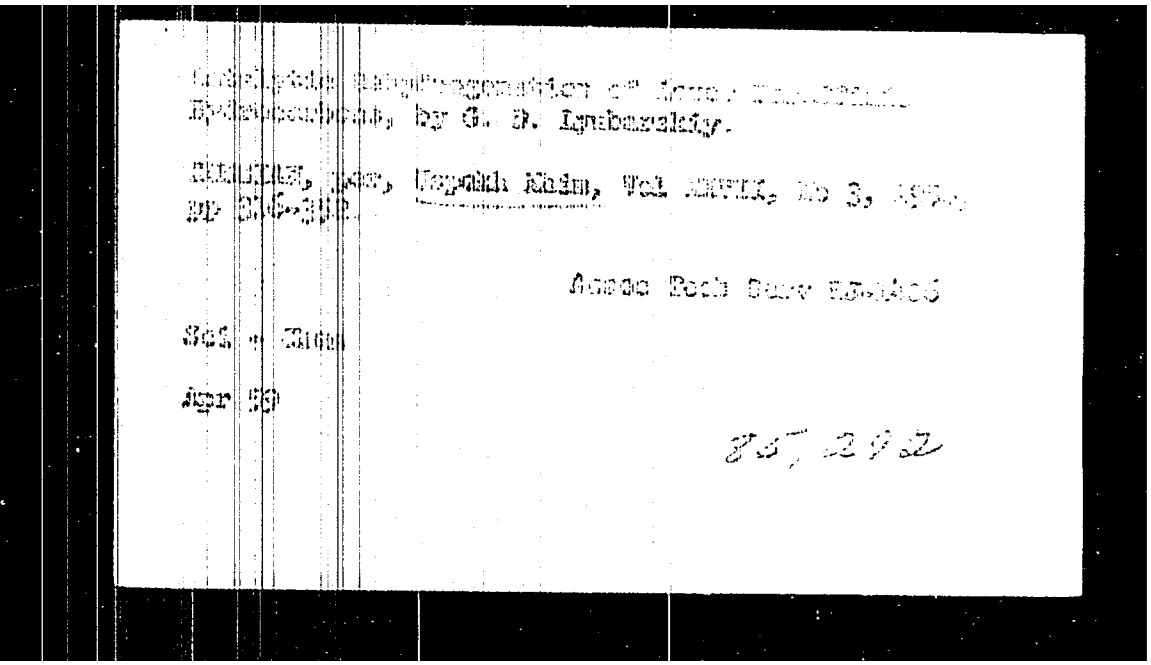

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Pyrophoricity in Alloys, by H. Nowotny.
RUSSIAN, per, Uspekh Khim, No 3, 1958, pp 353-364.

Infosearch Ltd.

Sci - Chem
Sep 59

96,392

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

The Mechanism of the Action of Inhibitors in Chain Reactions of Liquid Phase Oxidation, by E. T. Denisov, N. M. Emanuel, 116 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 4, 1958, pp 365-402.

SLA 59-10730

Sci - Chem
Sep 59
Vol 2, No 1

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

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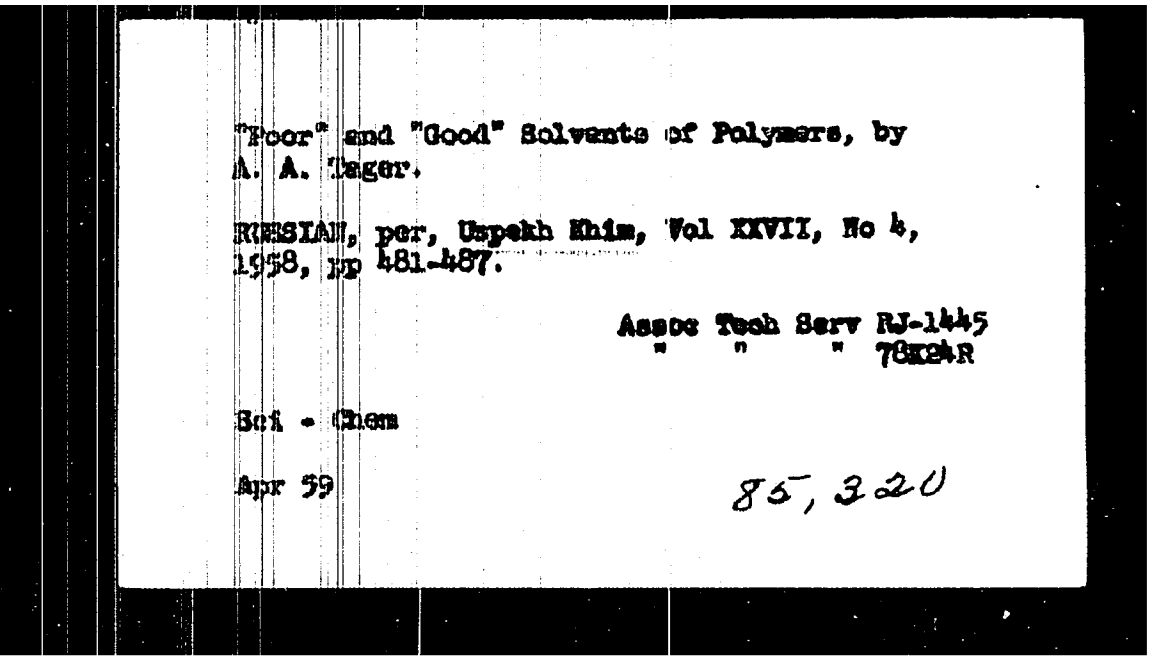


"Poor" and "Good" Solvents of Polymers, by A. A. Tager.

RUSSIAN, per, Uspekh Khim, Vol XXVII, No 4, 1958, pp 481-487.

Assoc Tech Serv RJ-1445
" " " 78X2R

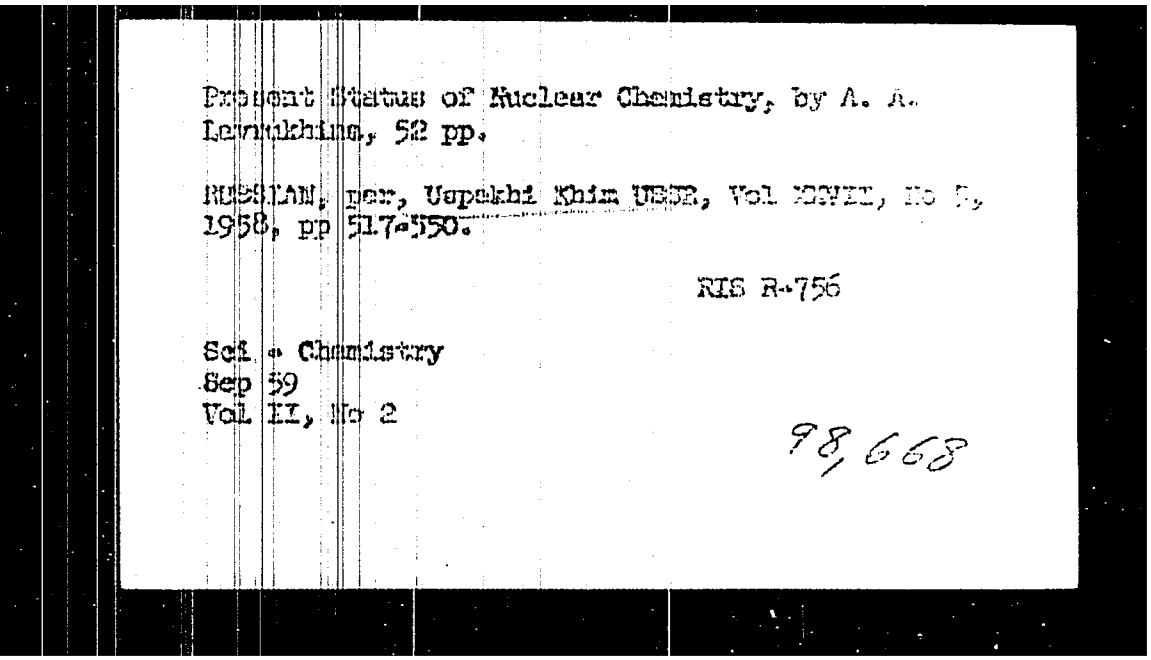
Bel - Chem

Apr 59

85,320

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1



Present Status of Nuclear Chemistry, by A. A. Lavrukhina, 52 pp.

RUSSIAN, per, Uspekhi Khim USSR, Vol XXVII, No 5, 1958, pp 517-550.

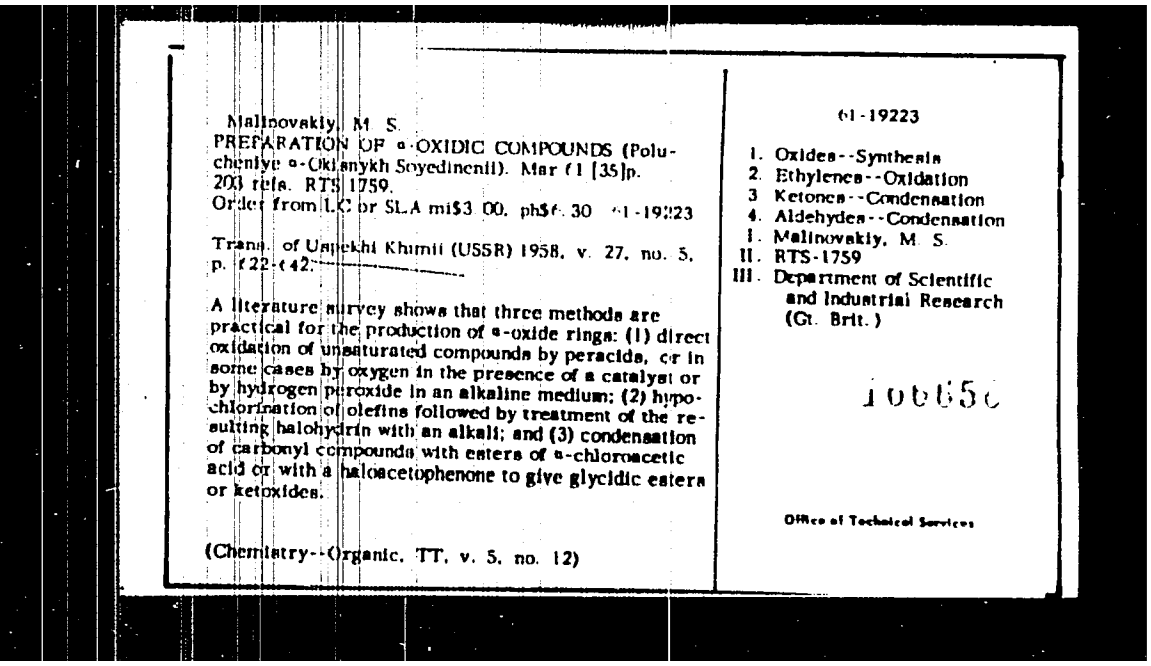
RIS R-756

Sci - Chemistry
Sep 59
Vol II, No 2

98,668

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1



Malinovskiy, M. S.
PREPARATION OF α-OXIDIC COMPOUNDS (Polucheniye α-Oksidnykh Soyedineniy). Mar 61 [35]p.
203 refs. RTS 1759.
Order from LC or SLA mi$3.00, ph$6.30 61-19223

Trans. of Uspekhi Khimii (USSR) 1958, v. 27, no. 5, p. 622-642.

A literature survey shows that three methods are practical for the production of α-oxide rings: (1) direct oxidation of unsaturated compounds by peracids, or in some cases by oxygen in the presence of a catalyst or by hydrogen peroxide in an alkaline medium; (2) hypochlorination of olefins followed by treatment of the resulting halohydrin with an alkali; and (3) condensation of carbonyl compounds with esters of α-chloroacetic acid or with a haloacetophenone to give glycidic esters or ketoxides.

(Chemistry--Organic, TT, v. 5, no. 12)

61-19223

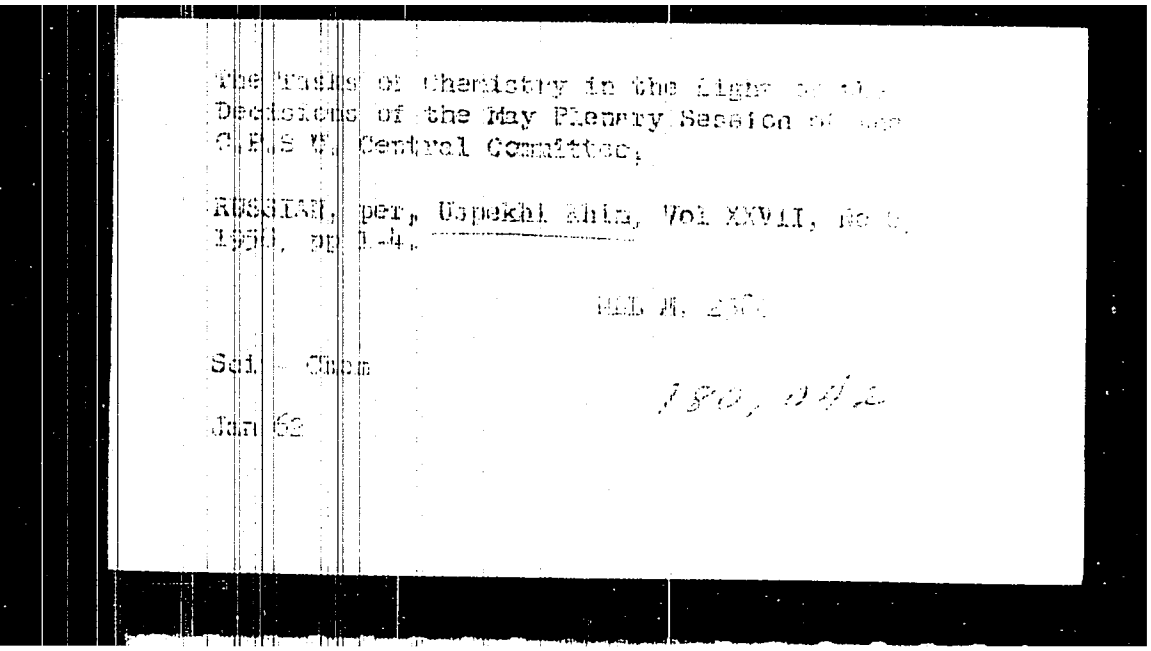
1. Oxides--Synthesis
2. Ethylenes--Oxidation
3. Ketones--Condensation
4. Aldehydes--Condensation
I. Malinovskiy, M. S.
II. RTS-1759
III. Department of Scientific and Industrial Research (Gt. Brit.)

10665c

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1



The Tasks of Chemistry in the Light of the Decisions of the May Plenary Session of the C.P.S.U. Central Committee.

RUSSIAN, per, Uspekhi khim, Vol XXVII, No 6, 1958, pp 1-4.

Sci - Chem

Jan 62

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Etat Actuel De La Microscopie Electronique Par Transparence Et Son Emploi Dans Les Recherches Physicochimiques, by V. M. Lukr'yanov,

RUSSIAN TO FRENCH, per, Uspekhi Khim, Vol XXVII, 1958, pp 690-696.

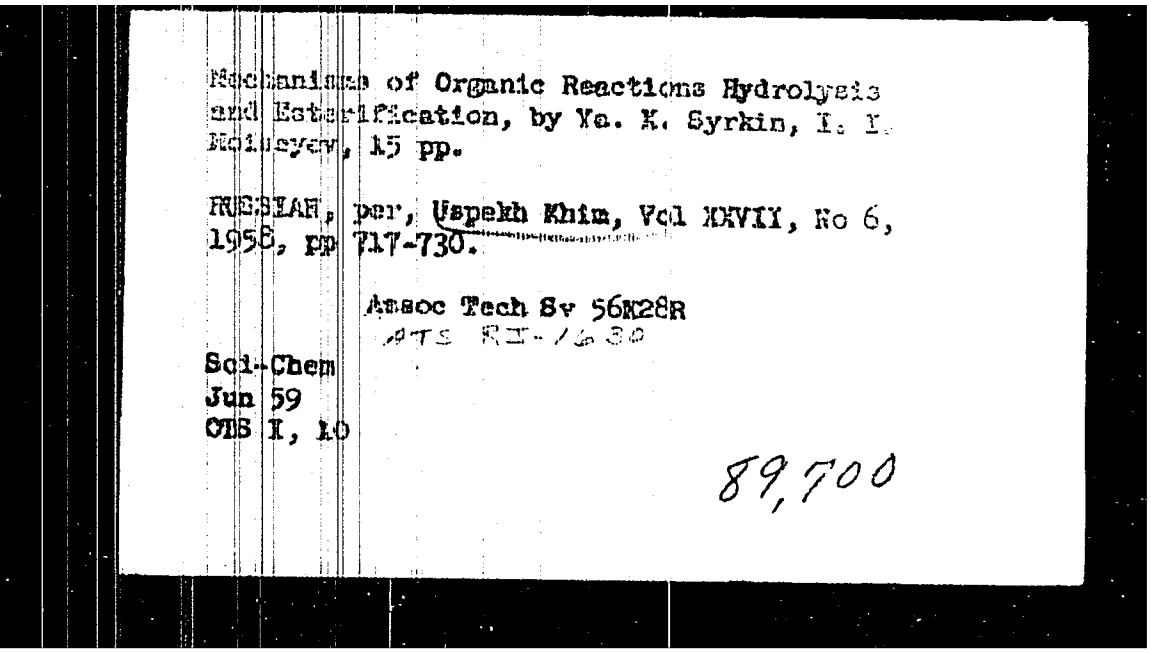
AEC CEA-Tr-R-759

Sci - Electronics

Apr 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1



Mechanisms of Organic Reactions Hydrolysis and Esterification, by Ye. K. Syrkin, I. I. Moiseyev, 45 pp.

RUSSIAN, per, Uspekh Khim, Vol XXVII, No 6, 1958, pp 717-730.

Assoc Tech Sv 56M28R
OTS RT-1630

Sci-Chem
Jun 59
OTS I, 10

89,700

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

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Thermodynamic Properties of Liquid Alkali Metal-Containing Alloys, by A. F. Alabyshev, M. F. Lantratov, et al.
RUSSIAN, per, Uspekhi Khimii, Vol 27, No 8, 1958, pp 921-937. P911044366
AEC ANL-tr-329

Sci/Materials
Sep 66

311,435
~~309,545~~

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Separation of Racemates by Adsorption, by E. I. Klabunovsky.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, 1958, pp 949-965.

MLL M. 2951

Sci - Chem

180,003

Jan 62

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Vinylation by Means of the Grignard Reaction, by S. T. Tatle.

RUSSIAN, per, Uspekh Khim, Vol XXVII, No 8, 1958, pp 1010-1024.

ATB RJ-1629

ATS-[illegible]/61/A

Sci - Chem

Jul 59

90,828

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

A Brief Survey of the Researches on Isotactic Polymers, by M. S. Kronganz, A. P. Sopran, 31 p.

RUSSIAN, per, Uspekhi Khim USSR, Vol XXVII, No 9. 1958, pp 1056-1083.

AEC-75L31R

Sci - Chem
Dec 59
Vol 2, No 4

102, 788

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

The Synthesis of Polymer Electrolytes and Their Application, by E. B. Trostyanskaya, et al. UNCL

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 9, 1958, pp 1084-1100.

DSIR LLL RTS 1013

L2. 2s. 6d.

95,826

Scl - Chem
Sep 59

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Glass Plastics, by B. A. Kiselev. UMCL.

RUSSIAN, per. Uspekh Khim, Vol XXVII, No 9, 1958, pp 1101-1114.

DSIR LLU NTS 1241

Ll.15a. Cd. anywhere

Sci - Chem
Oct 59

(possibly ATIC F-TS-9967/III)

967/701 99,465

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

THE TASKS OF CHEMISTRY IN THE LIGHT OF THE DECISIONS OF THE MAY PLENARY SESSION OF THE C. P. S. U. CENTRAL COMMITTEE (Zadachi Khimicheskoi Nauki v Svete Reshenii Maiskogo Plenuma Tsk KPSS). [1961] [8]p. (foreign text included). IDIR NLL M. 2580.
Order from OTS or SLA $1.10 61-28456

Trans. of Uspekhi Khimii (USSR) 1958, v. 27, no. 6 [p. 1-IV].

DESCRIPTORS: *Chemical industry, Industrial production, Growth.

(Engineering--Chemical, IT, v. 7, no. 7)

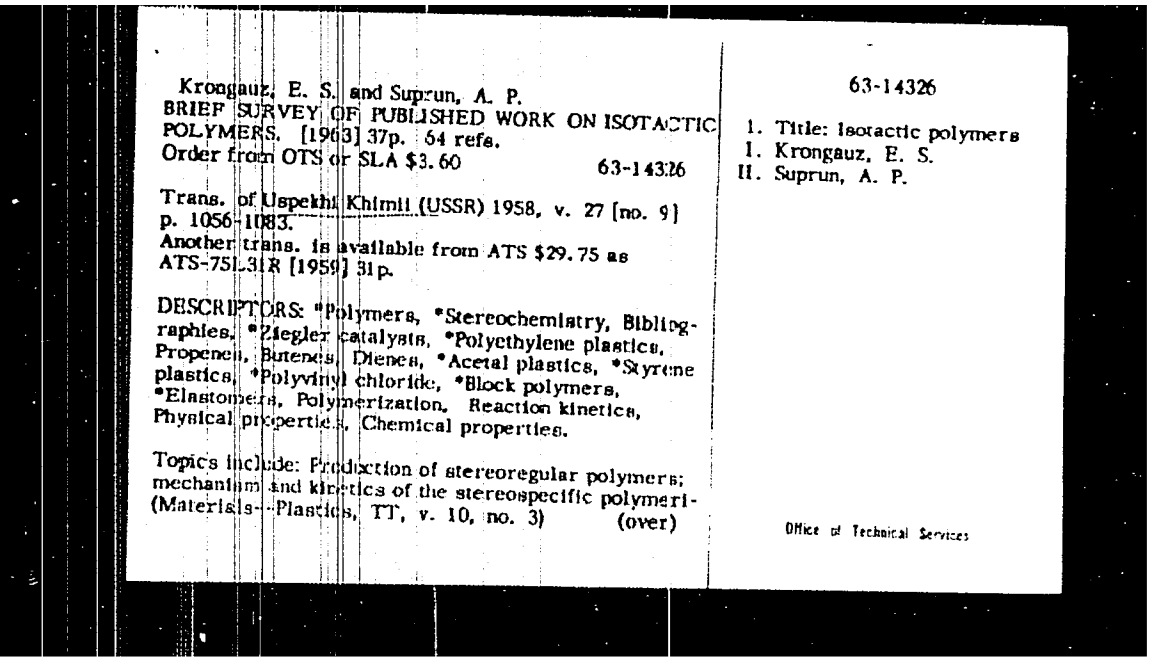
61-28456

I. IDIR NLL M. 2580

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1



Krongauz, E. S. and Suprun, A. P.
BRIEF SURVEY OF PUBLISHED WORK ON ISOTACTIC POLYMERS. [1963] 37p. 64 refs.
Order from OTS or SLA $3.60 63-14326

Trans. of Uspekhi Khimii (USSR) 1958, v. 27 [no. 9] p. 1056-1083.
Another trans. is available from ATS $29.75 as ATS-75L31R [1959] 31p.

DESCRIPTORS: *Polymers, *Stereochemistry, Bibliographies, *Ziegler catalysts, *Polyethylene plastics, Propenes, Butenes, Dienes, *Acetal plastics, *Styrene plastics, *Polyvinyl chloride, *Block polymers, *Elastomers, Polymerization, Reaction kinetics, Physical properties, Chemical properties.

Topics include: Production of stereoregular polymers; mechanism and kinetics of the stereospecific polymeri- (Materials--Plastics, TT, v. 10, no. 3) (over)

63-14326

1. Title: Isotactic polymers
I. Krongauz, E. S.
II. Suprun, A. P.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Study of the Composition of the Light Fractions of Soviet Crudes, by A. V. Topchiyev, B. A. Kazanskiy et al, 40 pp.

RUSSIAN, per, Uspekh Khim, Vol XXVII, No 10, 1958, pp 1177-1197.

ATIC MKL-580/III

Sci - Fuels

Oct 60

128,489

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Unsaturated Compounds of Silicon, by M. F. Shostakovskiy, D. A. Kochkin, V. L. Vinogradov, 52 pp.

RUSSIAN, per, Uspekhi Khim, Vol. XXVII, No 10, 1958, pp 1221-1256.

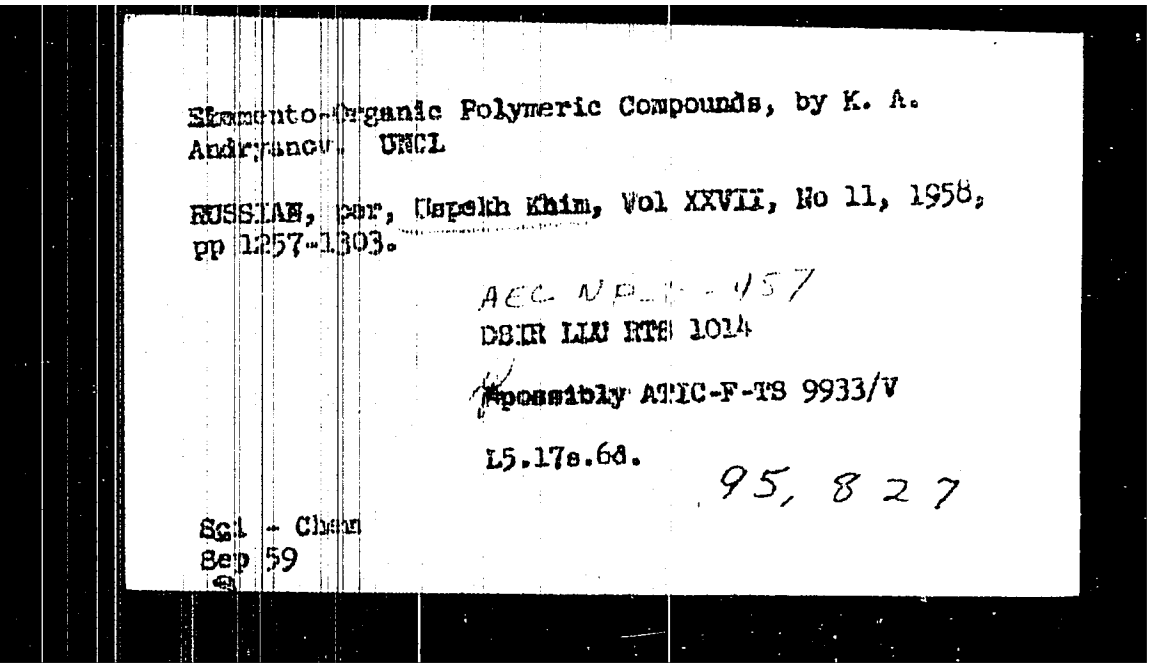
SAM 59-15000

Sci - Chem
Sep 59
Vol 2, No 2

97,987

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1



Elementoorganic Polymeric Compounds, by K. A. Andrianov. UNCL

RUSSIAN, per, Uspekh Khim, Vol XXVII, No 11, 1958, pp 1257-1303.

AEC NP-[illegible]-457
DSIR LLU RTS 1014
Possibly ATIC-F-TS 9933/V
L5.17s.6d.
95, 827

Sci - Chem
Sep 59

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

Present State of the Electronic Theory of Catalysis on Semiconductors, by F. F. Vol'kenshtein.

RUSSIAN, Uspekhi Khim, Vol XXVII, No 11, 1958, pp 1304-1320.

ATS RJ-1671

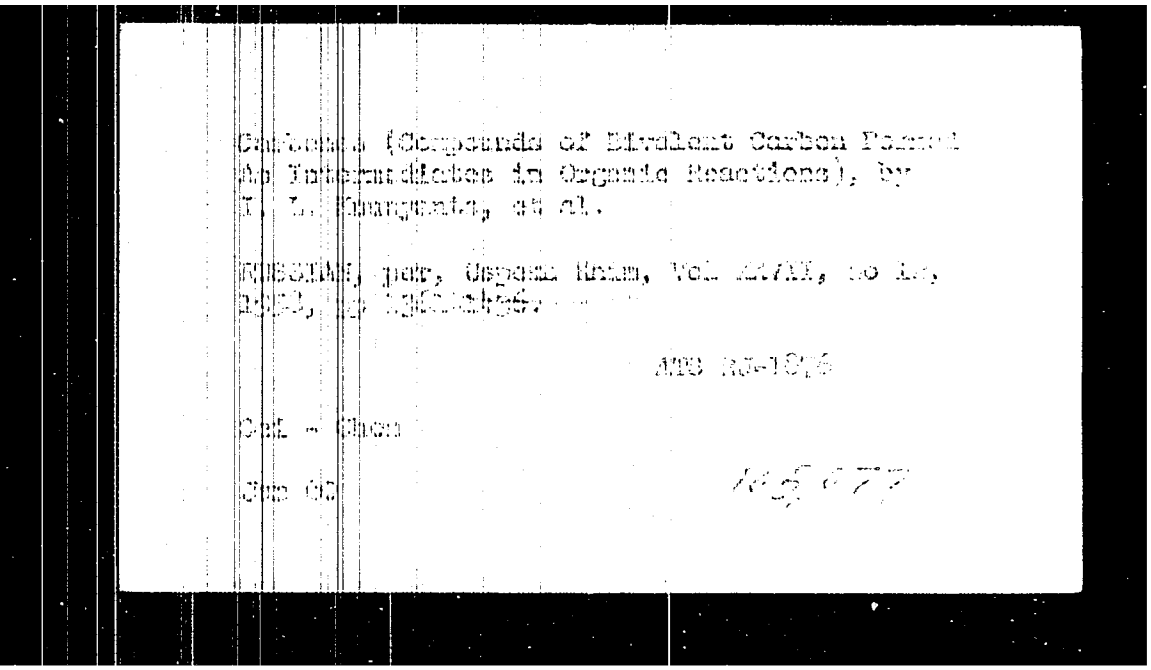
Sci - Chem, Electron

Jul 59

90,848

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1



Carbenes (Compounds of Divalent Carbon Forms)
An Intermediates in Organic Reactions), by
I. L. Shargorodskiy, et al.

[illegible], per, Organic Reactions, Vol XXVII, no 1-2,
1973, pp 1-[illegible]

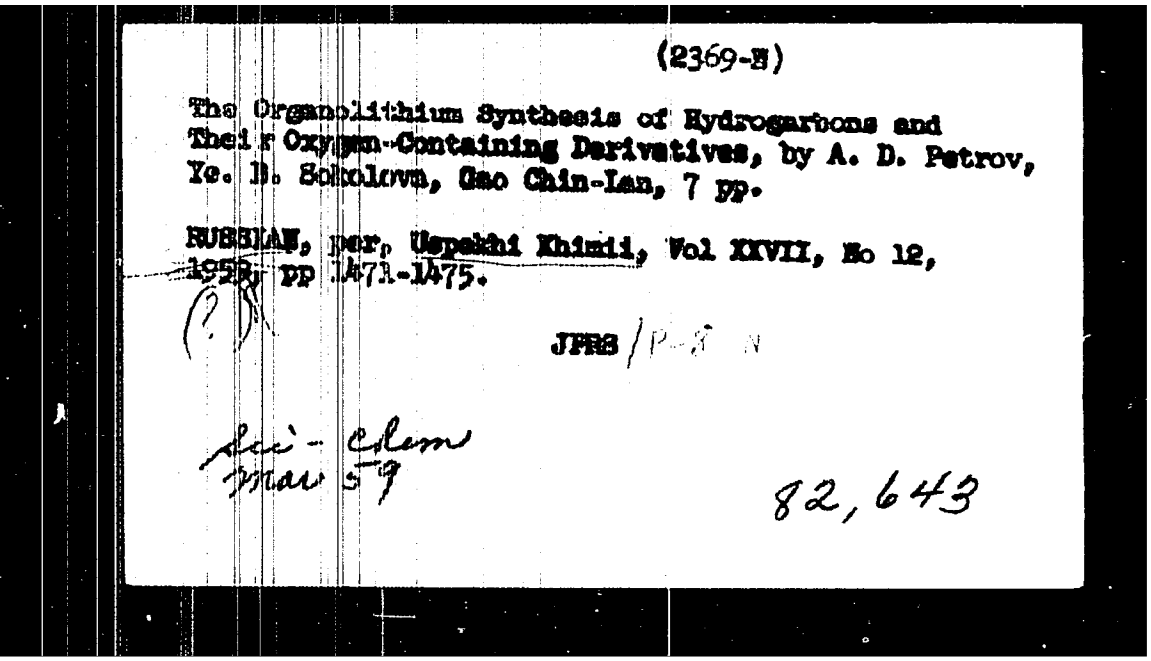
AID RJ-1016

Cal - Chem

Chem (G)

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1



(2369-B)

The Organolithium Synthesis of Hydrocarbons and Their Oxygen-Containing Derivatives, by A. D. Petrov, Ye. D. Sokolova, Gao Chin-Lan, 7 pp.

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Novoselova, A. V.
FLUORURE DE BERYLLIUM ET FLUOROBERYLLATES [Ftoristyi Beriilii i Ftoroberillaty [Beryllium Fluoride and Fluoroberyllates] tr. by Kefeli. 15 Dec 60 [29]p. (Non-Russian refs. omitted) 34 refs. CEA Trans. no. R 1116 (text in French).
Order from OTS or SLA $2.60 61-19594

Trans. in French of Usp[ekhi] Khim[ii] (USSR) 1959, v. 28, no. 1, p. 33-43.
Translations in English avaiiabe from LC or SLA mi$2.70, ph$4.80 as AEC-tr-3992, 23 Feb 60, 21p. and from OTS $0.75 as 59-31026, JPRS(DC)-L-1914, 27 Oct 59, 21p.

DESCRIPTORS: *Beryllium compounds, *Fluorides, *Fluoberyllates, Crystal structure, Physical properties, Beryllium, Separation.

(Chemistry--Inorganic, TT, v. 6, no. 6)

61-19594

I. Novoselova, A. V.
II. CEA-tr-R1116
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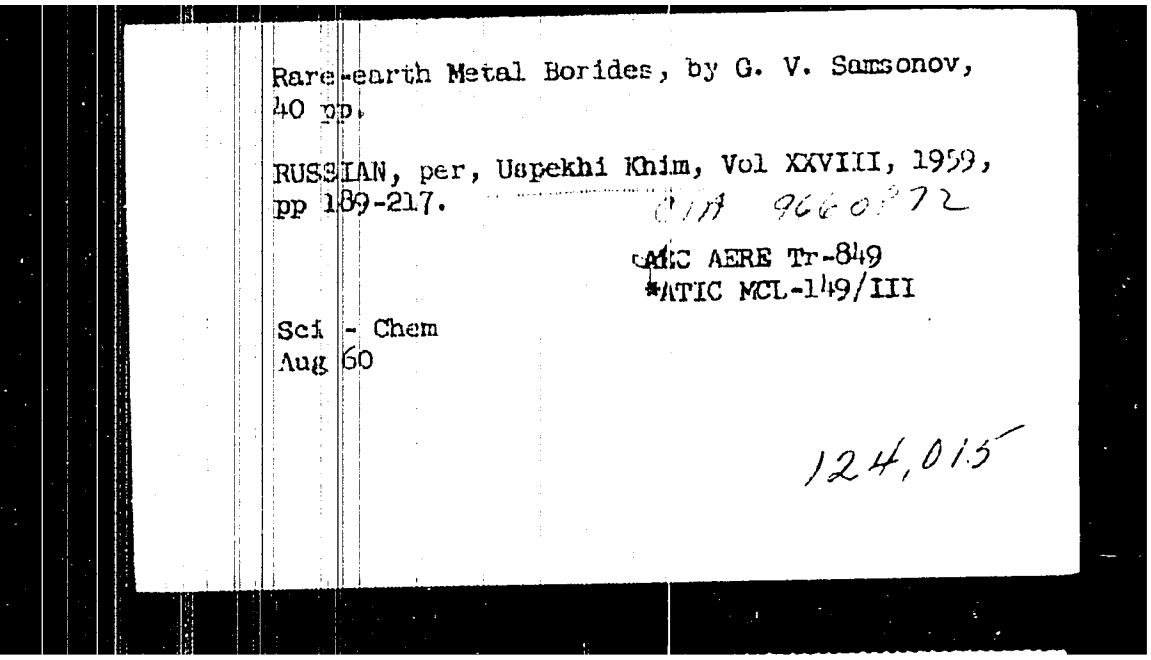

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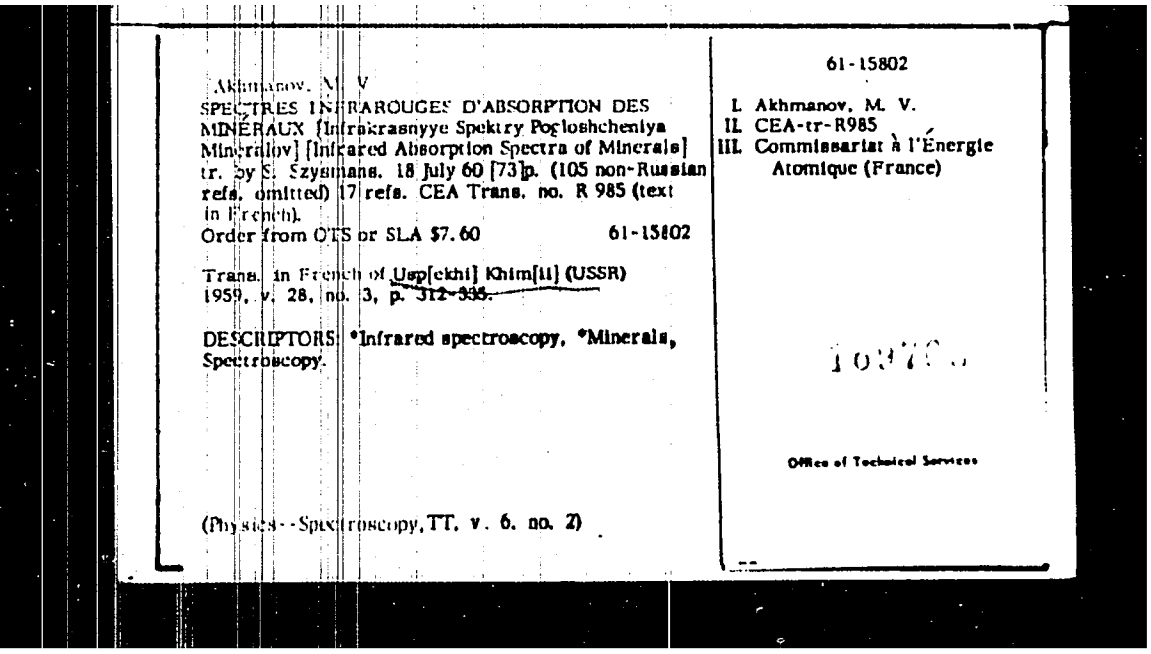

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Order from OTS or SLA $7.60 61-15802

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DESCRIPTORS: *Infrared spectroscopy, *Minerals, Spectroscopy.

(Physics--Spectroscopy, TT, v. 6, no. 2)

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II. CEA-tr-R985
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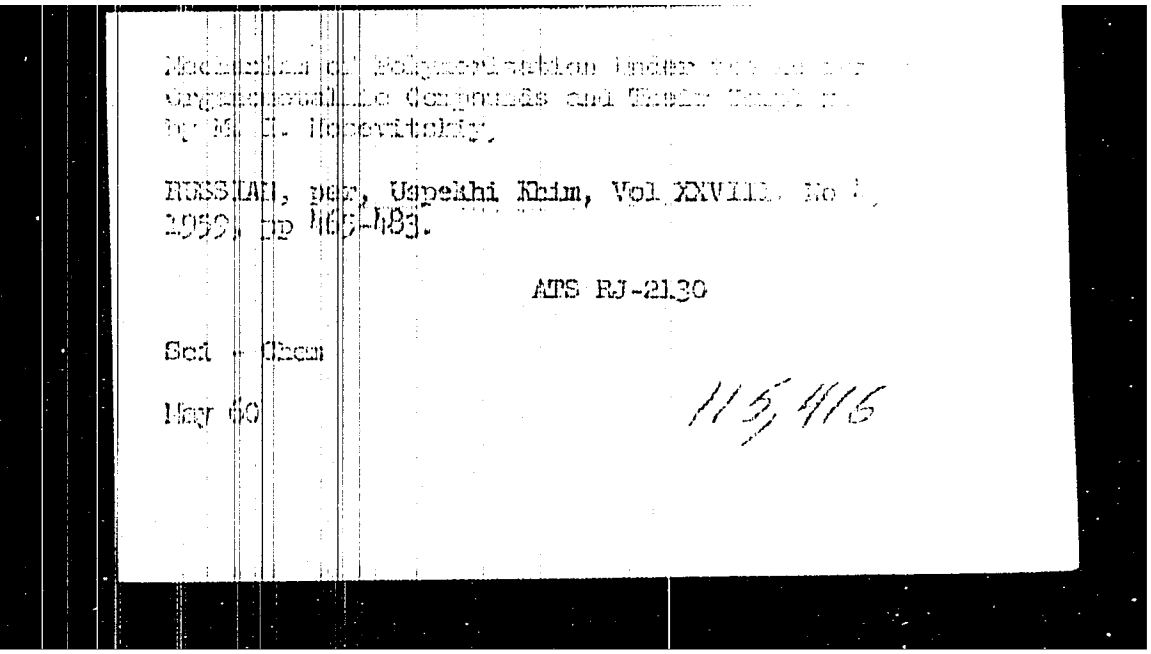

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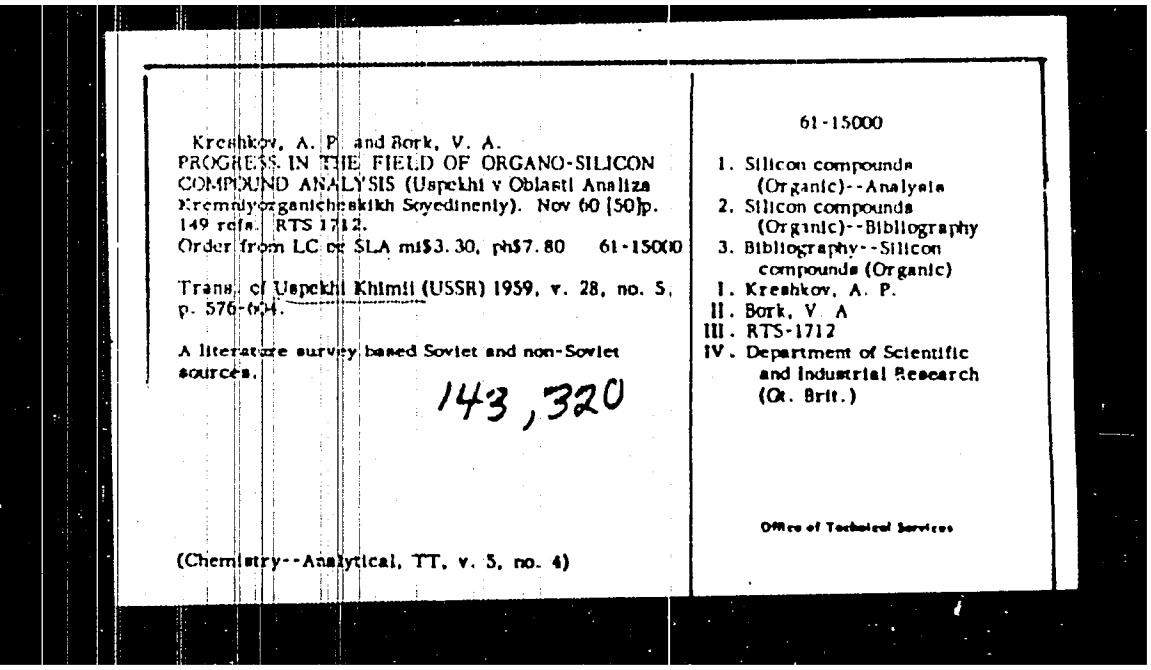

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Order from LC or SLA mi$3.30, ph$7.80 61-15000

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(Chemistry--Analytical, TT, v. 5, no. 4)

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III. RTS-1712
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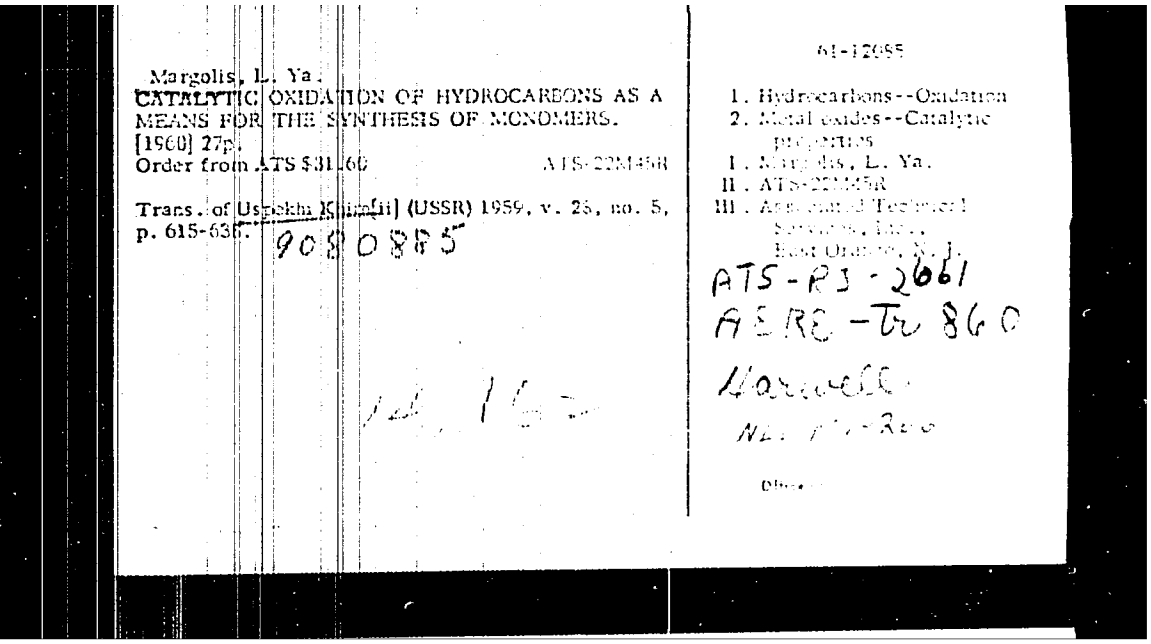

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[1960] 27p.
Order from ATS $31.60 ATS-22M45R

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2. Metal oxides--Catalytic properties
I. Margolis, L. Ya.
II. ATS-22M45R
III. Associated Technical Services, Inc., East Orange, N. J.

ATS-RJ-2661
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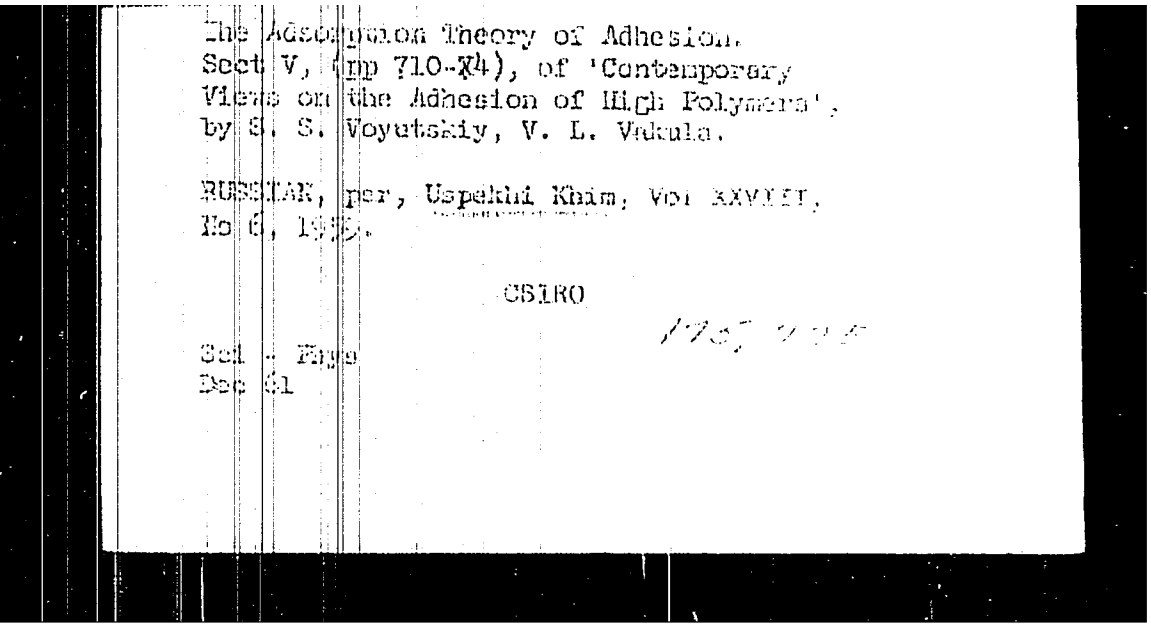

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*ATIC MCL-437/V

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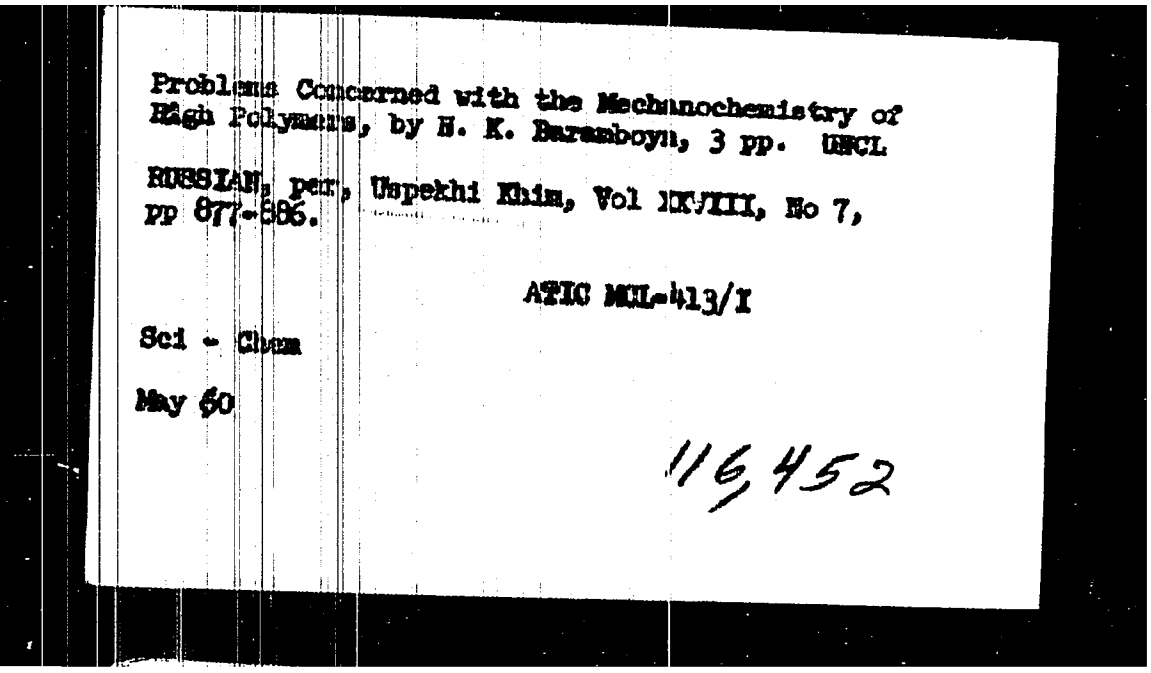

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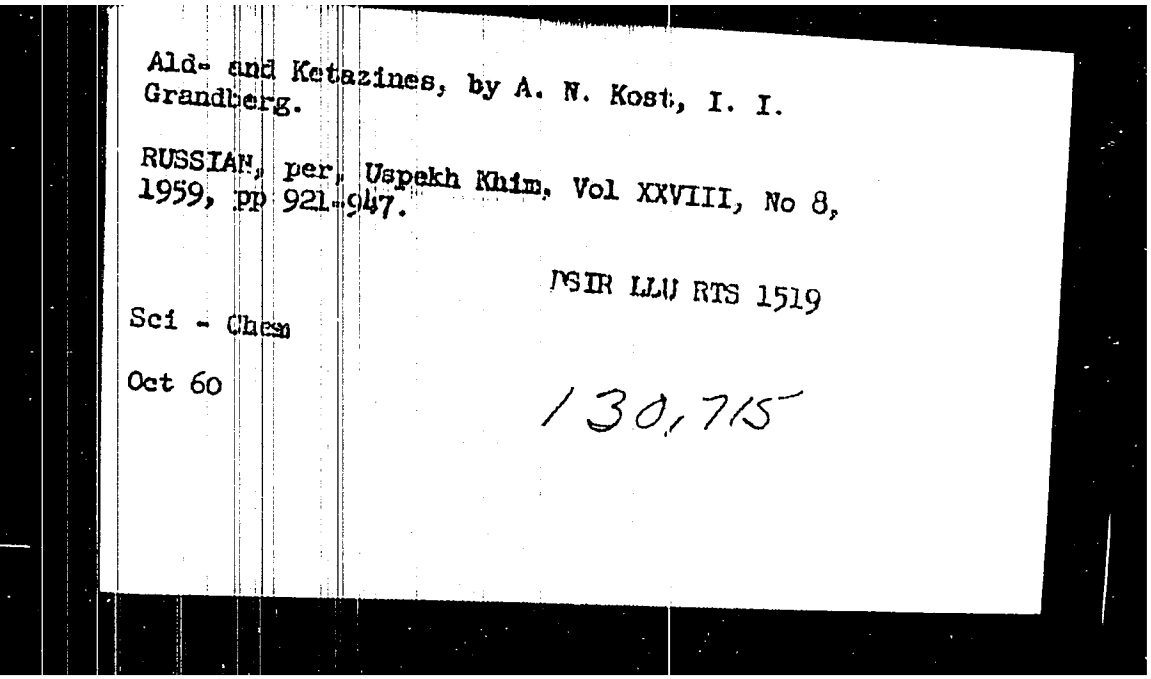

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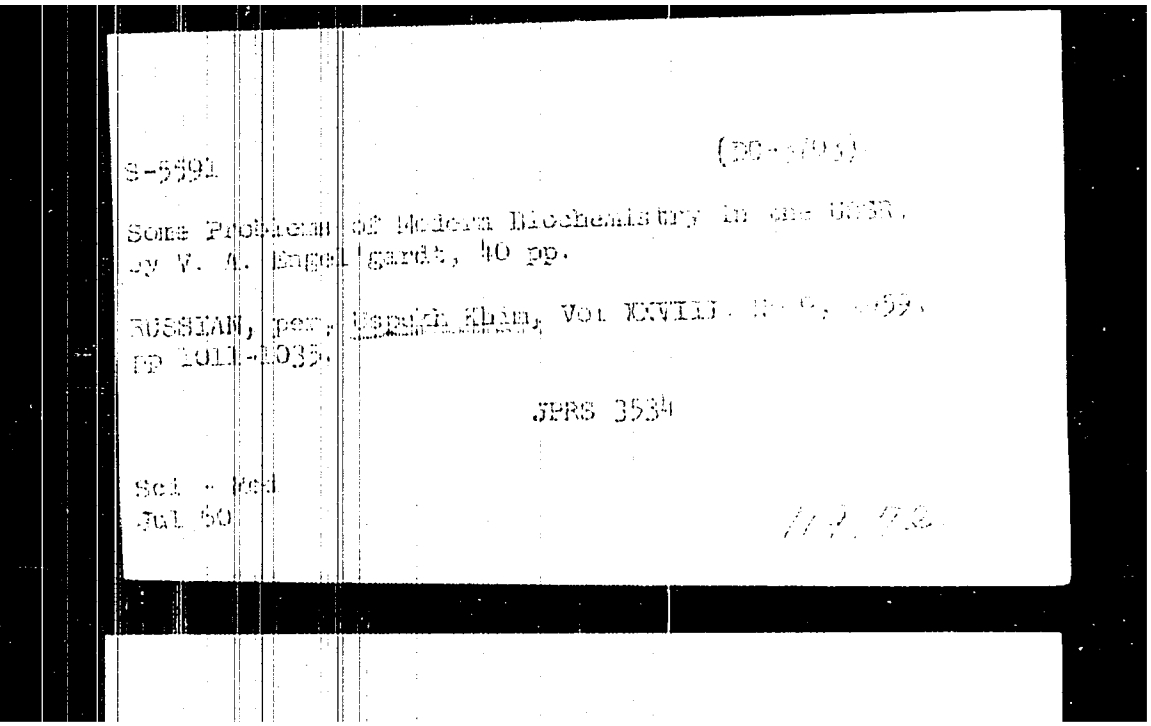

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JPRS 3534

Sci - Tech
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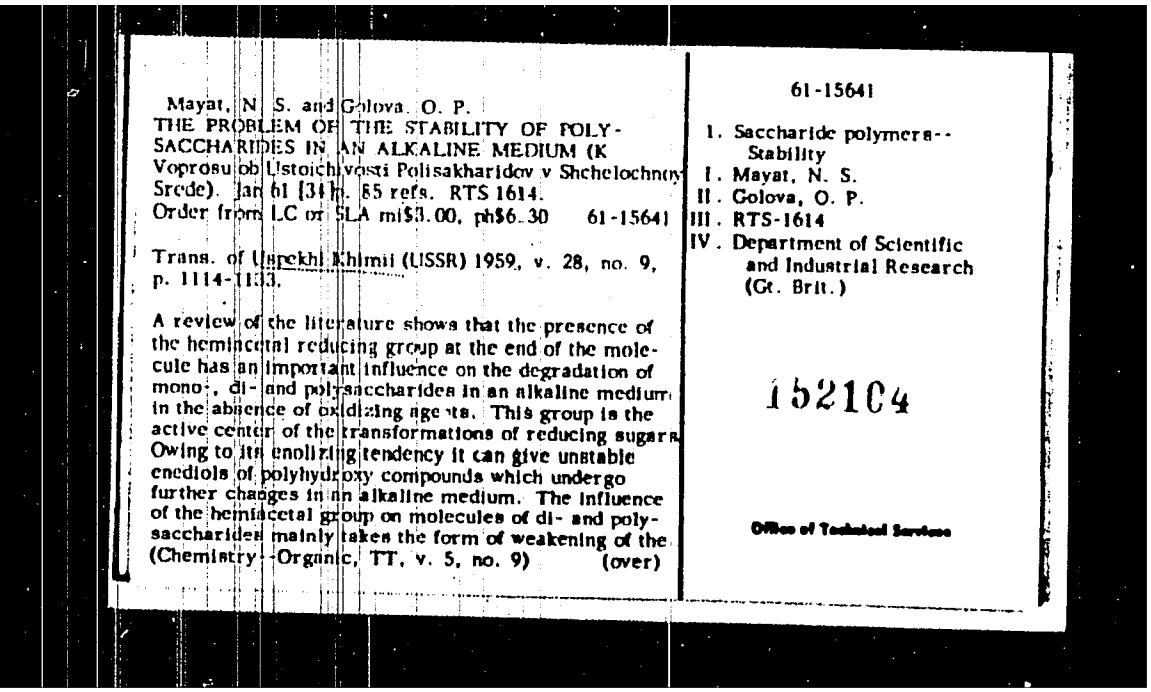

Mayat, N. S. and Golova, O. P.
THE PROBLEM OF THE STABILITY OF POLY-SACCHARIDES IN AN ALKALINE MEDIUM (K Voprosu ob Ustoichivosti Polisakharidov v Shchelochnoy Srede). Jan 61 [3] p. 55 refs. RTS 1614.
Order from: LC or SLA mi$3.00, ph$6.30 61-15641

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A review of the literature shows that the presence of the hemiacetal reducing group at the end of the molecule has an important influence on the degradation of mono-, di- and polysaccharides in an alkaline medium in the absence of oxidizing agents. This group is the active center of the transformations of reducing sugars. Owing to its enolizing tendency it can give unstable enediols of polyhydroxy compounds which undergo further changes in an alkaline medium. The influence of the hemiacetal group on molecules of di- and polysaccharides mainly takes the form of weakening of the (Chemistry--Organic, TT, v. 5, no. 9) (over)

61-15641

1. Saccharide polymers--Stability
I. Mayat, N. S.
II. Golova, O. P.
III. RTS-1614
IV. Department of Scientific and Industrial Research (Gt. Brit.)

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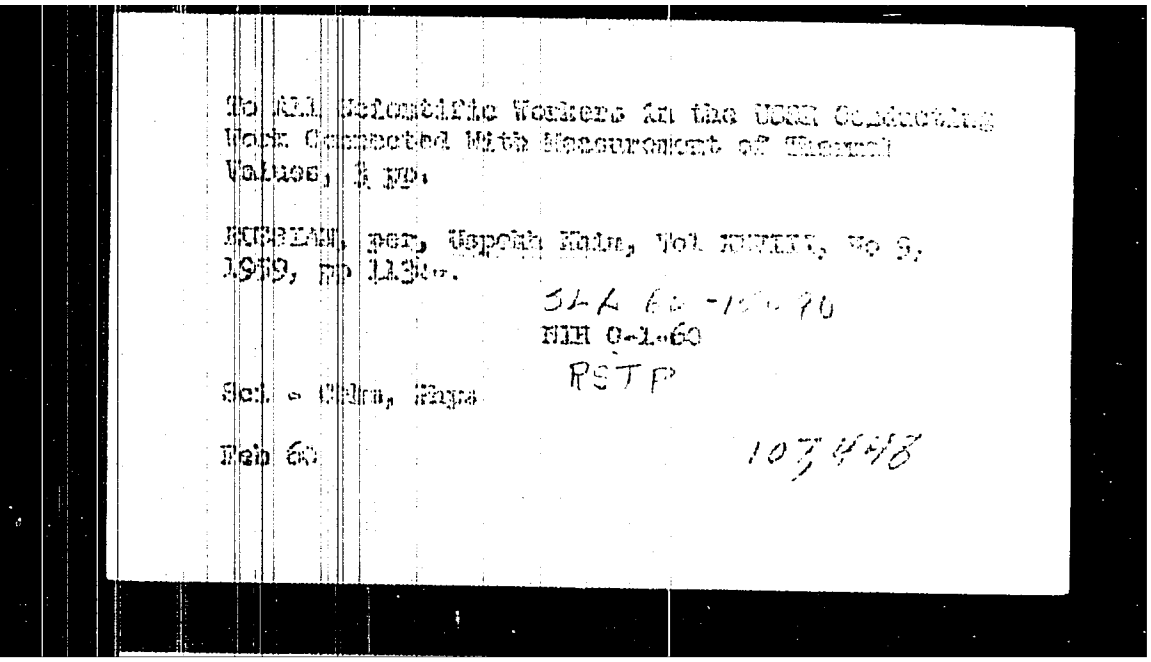

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SLA 6-1-70
NIH 0-1-60
RSTP

Sci - Chem, Phys

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Tsyperovich, A. S.
DENATURATION OF GLOBULAR PROTEINS. [1961]
65p. 145 refs. [NIH] no. 60.
Order from OTS or SLA $6.60 62-15132

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DESCRIPTORS: *Proteins, Chemical reactions, Biochemistry, Structures, Transformations, Molecular structure.

(Biological Sciences--Biochemistry, TT, v. 8, no. 1)

62-15132

I. Tsyperovich, A. S.
II. NIH-60
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NESMEYANOV A. N.

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23 pp.

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Deg Inf Ser-162

Sci - Phys
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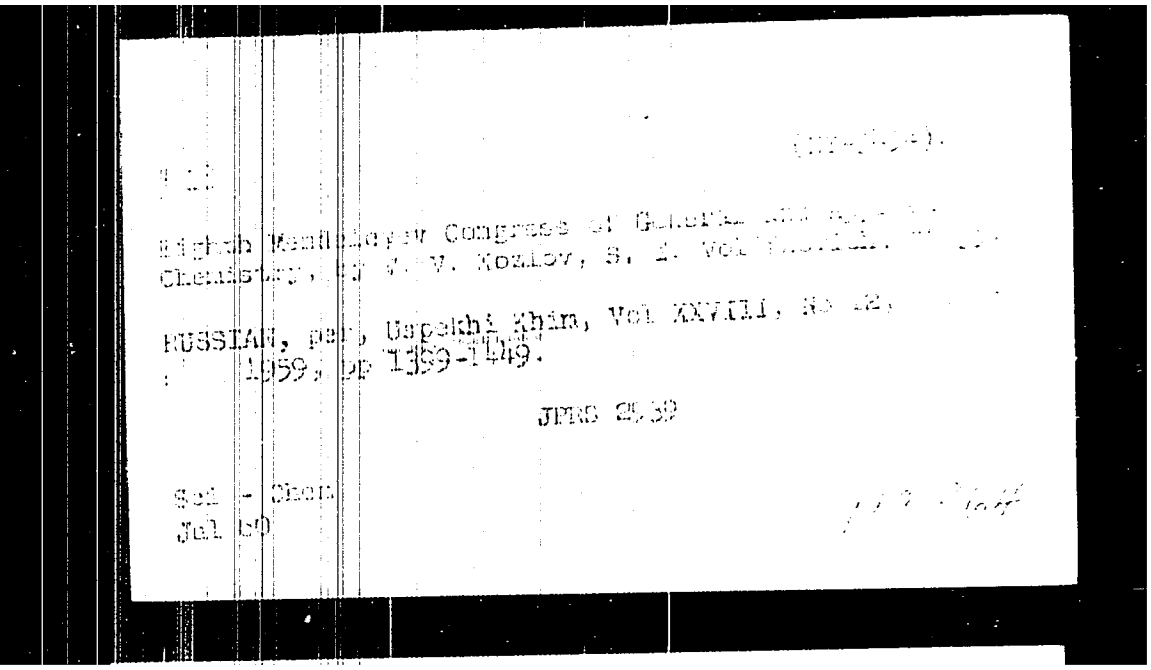

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JPRS 2530

Sel - Chem
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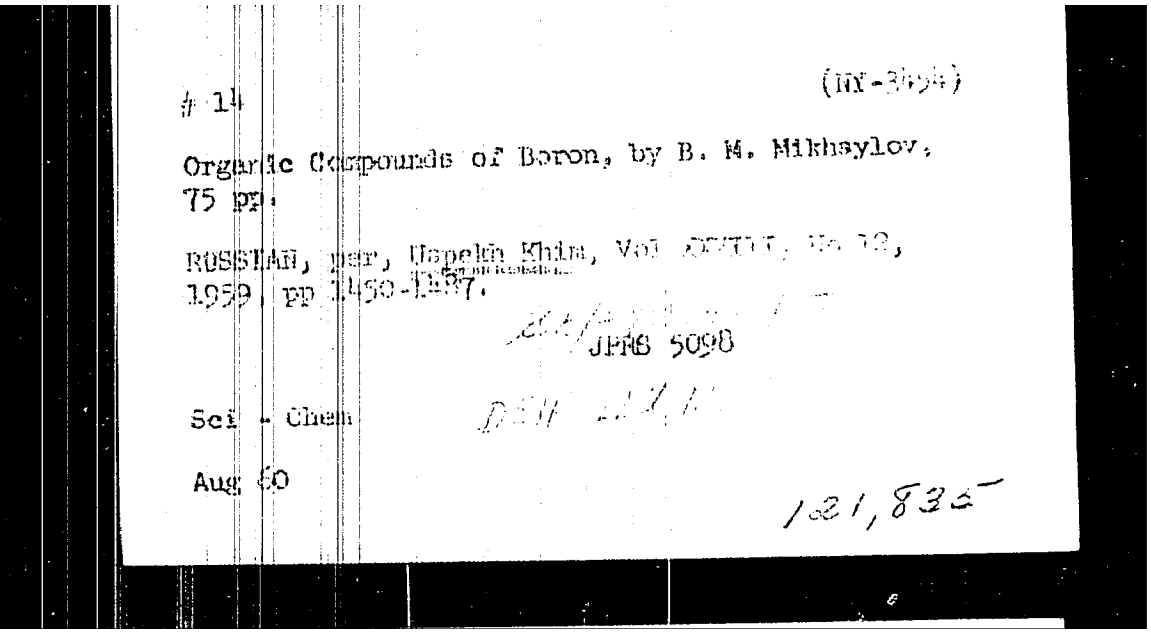

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Sci - Chem

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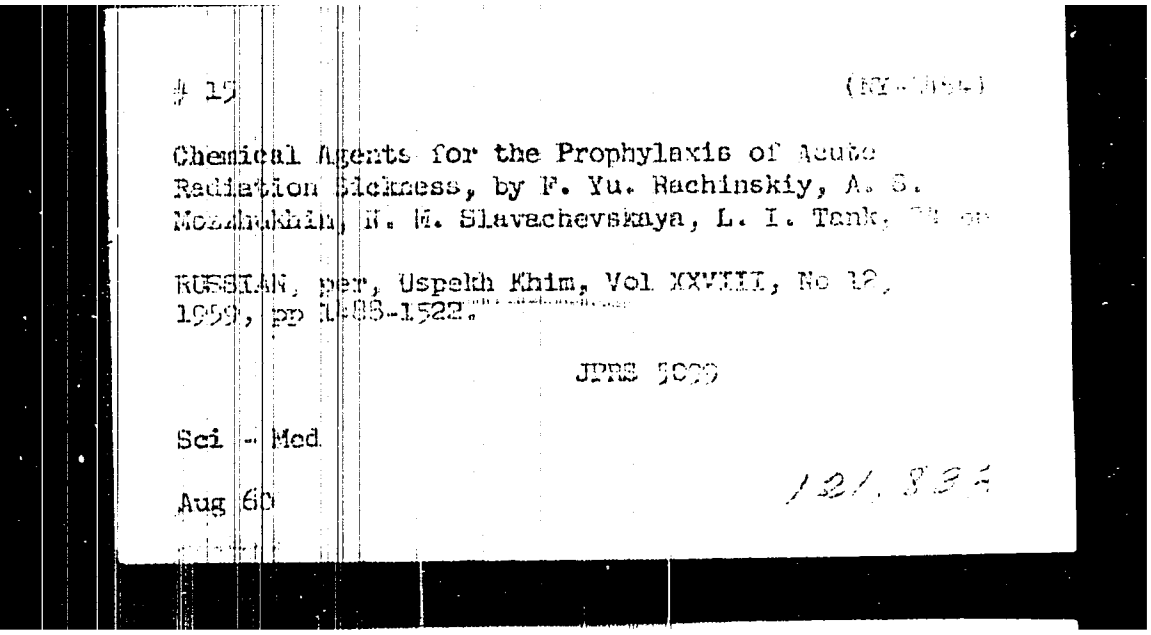

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JPRS 5099

Sci - Med

Aug 60

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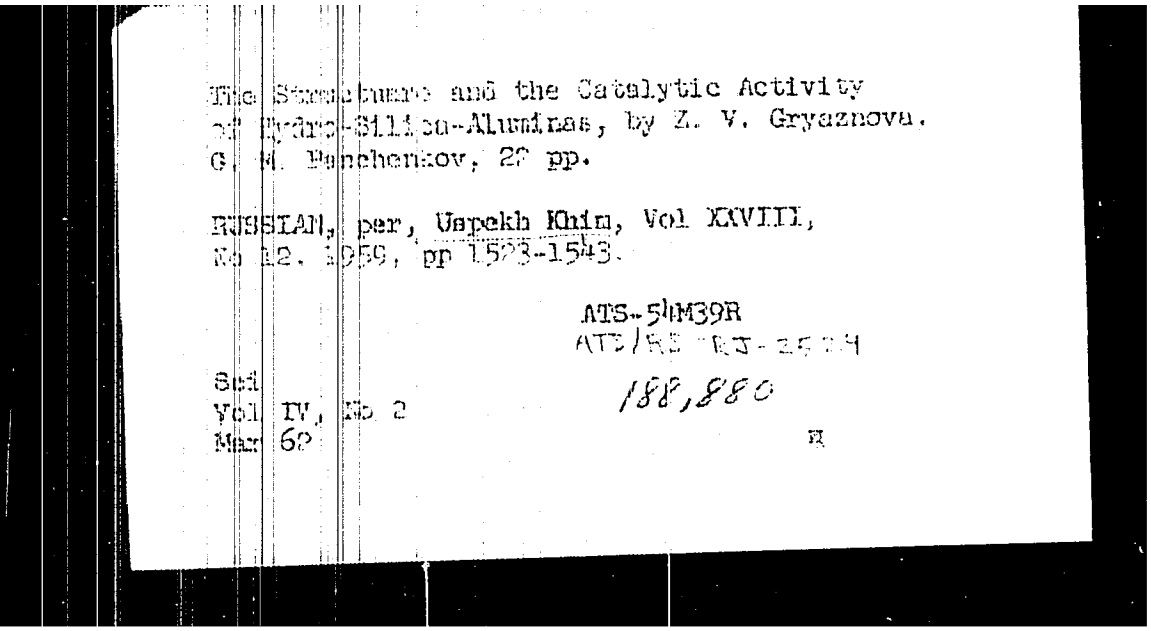

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220037-1

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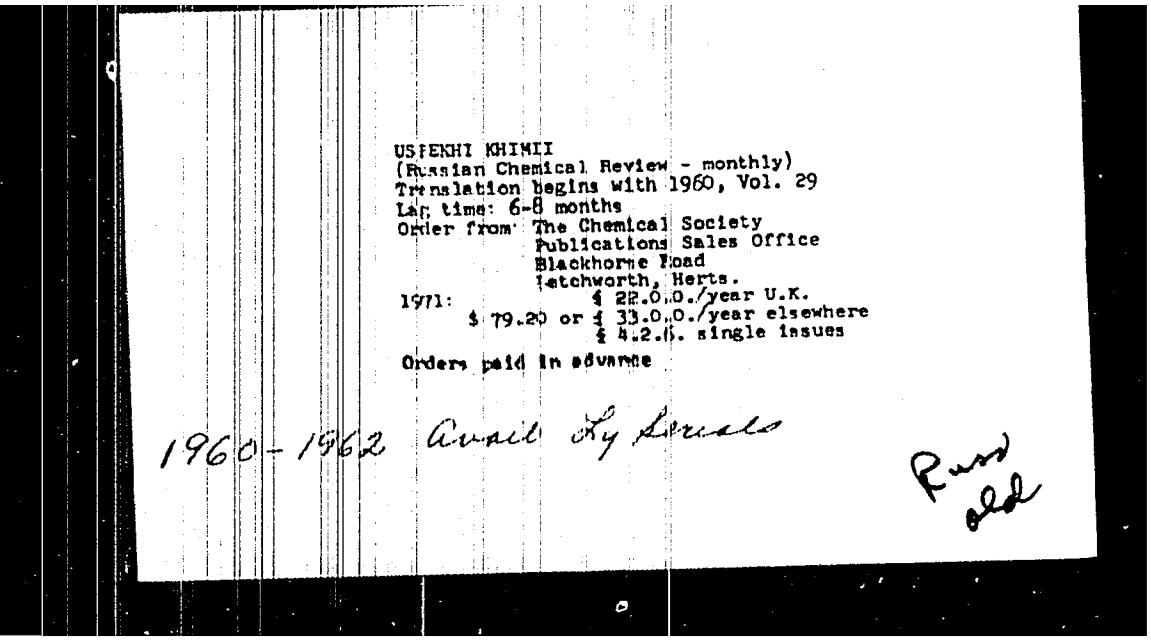

USPEKHI KHIMII
(Russian Chemical Review - monthly)
Translation begins with 1960, Vol. 29
Lag time: 6-8 months
Order from: The Chemical Society
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Letchworth, Herts.
1971: £ 22.0.0./year U.K.
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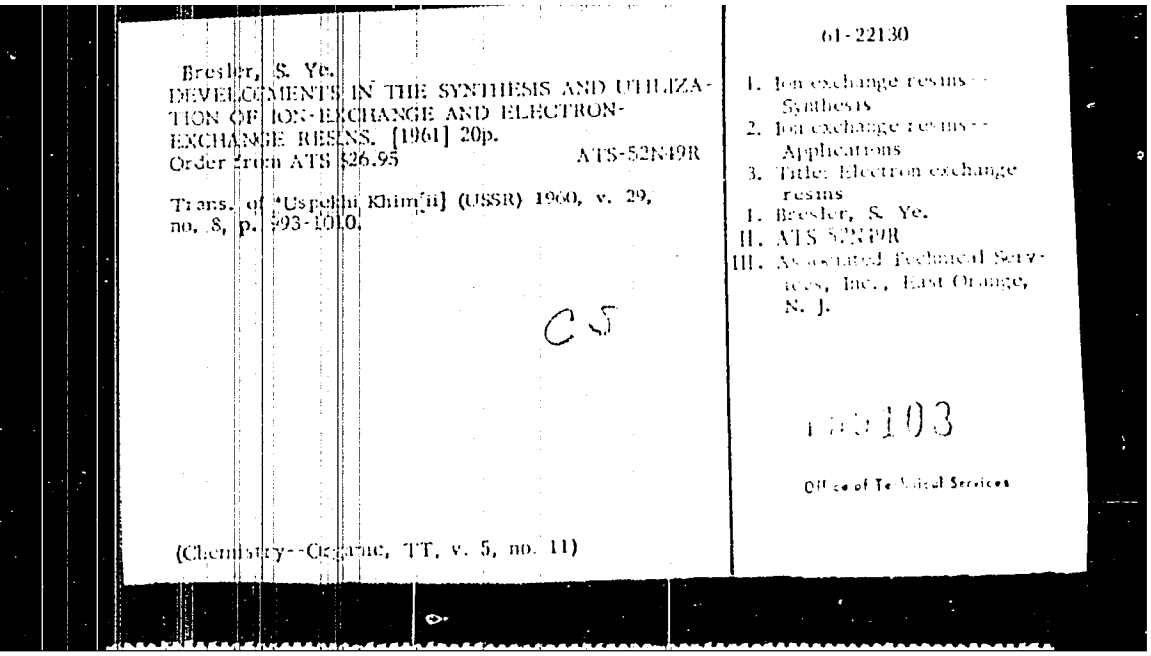

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DEVELOPMENTS IN THE SYNTHESIS AND UTILIZATION OF ION-EXCHANGE AND ELECTRON-EXCHANGE RESINS. [1961] 20p.
Order from ATS $26.95 ATS-52N49R

Trans. of "Uspekhi Khimii" (USSR) 1960, v. 29, no. 8, p. 993-1010.

C5

(Chemistry--Organic, TT, v. 5, no. 11)

61-22130

1. Ion exchange resins--Synthesis
2. Ion exchange resins--Applications
3. Title: Electron exchange resins
I. Bresler, S. Ye.
II. ATS 52N49R
III. Associated Technical Services, Inc., East Orange, N. J.

[illegible]103

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Some New Data on the Chemistry and Biochemistry of Beryllium, by J. Shubert, 17 pp.
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JPRS 27031

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Progress in the Synthesis of Alkylpyridines, by L. I. Vereshchagin, I. L. Kotlyarevskiy, 37 pp.

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JPRS 12234

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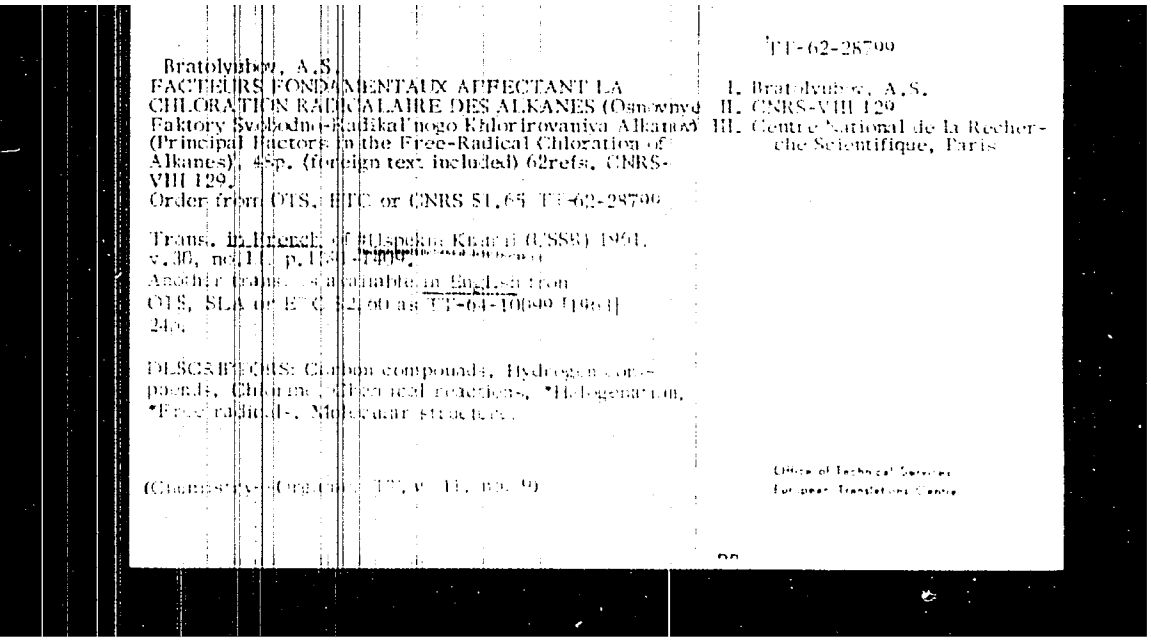

Bratolyubov, A.S.
FACTEURS FONDAMENTAUX AFFECTANT LA CHLORATION RADICALAIRE DES ALKANES (Osnovnyye Faktory Svobodno-Radikal'nogo Khlorirovaniya Alkanov) (Principal Factors in the Free-Radical Chloration of Alkanes), 45p. (foreign text included) 62refs. CNRS-VIII 129.
Order from OTS, PTC or CNRS $1.65 TT-62-28709

Trans. in French of Uspekhi Khimii (USSR) 1961, v.30, no.11, p.1351-1400.
Another trans. is available in English from OTS, SLA or PTC $2.00 as TT-64-10699 [1964] 24p.

DESCRIPTORS: Carbon compounds, Hydrogen compounds, Chlorine, Chemical reactions, *Halogenation, *Free radicals, Molecular structure.

(Chemistry-Organic) TT, v. 11, no. 9

TT-62-28709

I. Bratolyubov, A.S.
II. CNRS-VIII 129
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Slonim, I. Ya.
NUCLEAR MAGNETIC RESONANCE IN HIGH POLYMERS. [1962] 51p.
Order from ATS $34.50 ATS-97P62R

Trans. of Usp[ekhi] Khim[ii] (USSR) 1962, v. 31, no. 5, p. 609-655.

DESCRIPTORS: *Polymers, *Nuclear resonance, Paramagnetic resonance.

(Physics--Molecular, TT, v. 9, no. 2)

62-34239

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Ershov, V. V., Volod'kin, A. A., and Bogdanov, G. N.
THE PHENOL-DIENONE REARRANGEMENT IN REACTIONS OF PHENOLS. [1963] 43p.
Order from ATS $26.85 ATS-15Q71R

Trans. of #Uspekhi Khim[ii] (USSR) 1963, v. 32, no. 2, p. 154-194.

DESCRIPTORS: *Phenols, Dienes, Ketones, Chemical reactions.

(Chemistry--Organic, TT, v. 10, no. 8)

63-22144

1. Title: Dienone-phenol rearrangements
I. Ershov, V. V.
II. Volod'kin, A. A.
III. Bogdanov, G. N.
IV. ATS-15Q71R
V. Associated Technical Services, Inc., East Orange, N. J.

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Chemistry of Certain Inorganic Fluorides of Nitrogen, by A. V. Pankratov, 23 pp.

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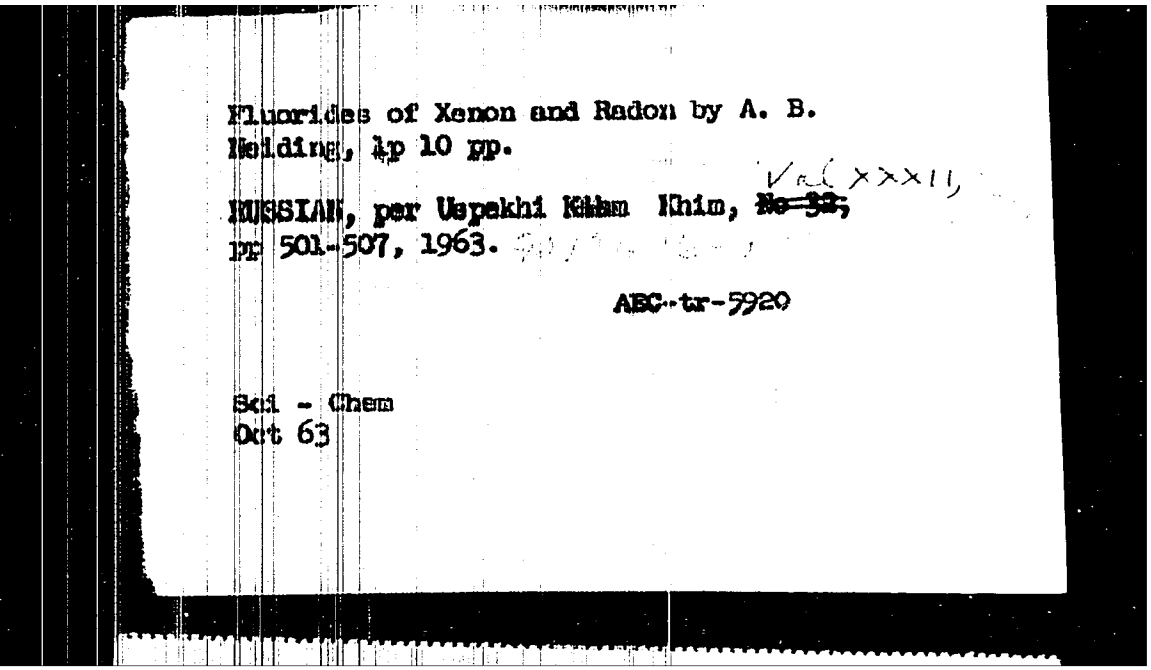

Fluorides of Xenon and Radon by A. B.
Nolding, 1p 10 pp.

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ABC-tr-5920

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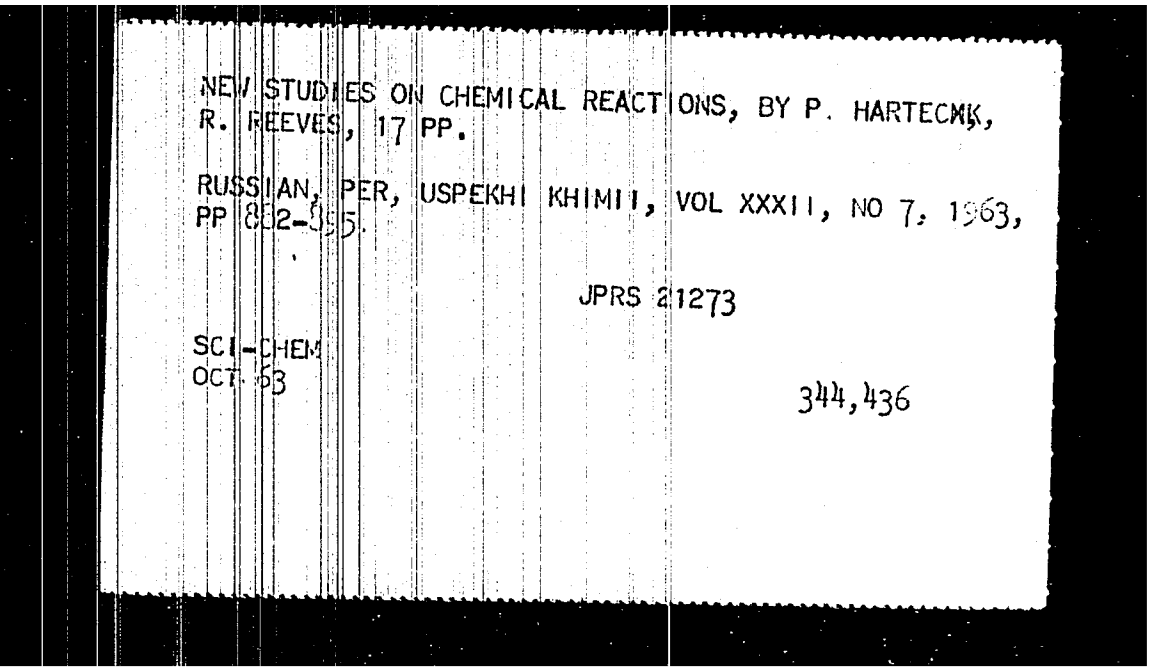

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JPRS 21273

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Prilezhaeva, E. N. and Shostakovskii, M. F.
THIYLATION REACTIONS OF ETHYLENE DERIVATIVES. [1964] 63p.
Order from ATS 539.75 ATS-24Q74R

Trans. of #Usp[ekhi] Khim[ii] (USSR) 1963, v. 32, no. 8, p. 897-947.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-12742

I. Prilezhaeva, E. N.
II. Shostakovskii, M. F.
III. ATS-24Q74R
IV. Associated Technical Services, Inc., East Orange, N. J.

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Linear Polyfluorinated Analagously Bifunctional Compounds as Potential Monomers, by V. V. Shokina, 38 pp.
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Electrochemical and Physicochemical Properties of Aluminum Compounds in Non-Aqueous Solutions, by Yu. M. Kessler, N. M. Alpatova.
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SLA TT-66-10602

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Hexachlorobutadiene, by L. M. Kogan.
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Advances in the Synthesis of Heat-Resistant Polymers, by V. V. Korshak and Ye. S. Krongauz, 76 pp.
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Principles of Modeling Biocatalysts, by
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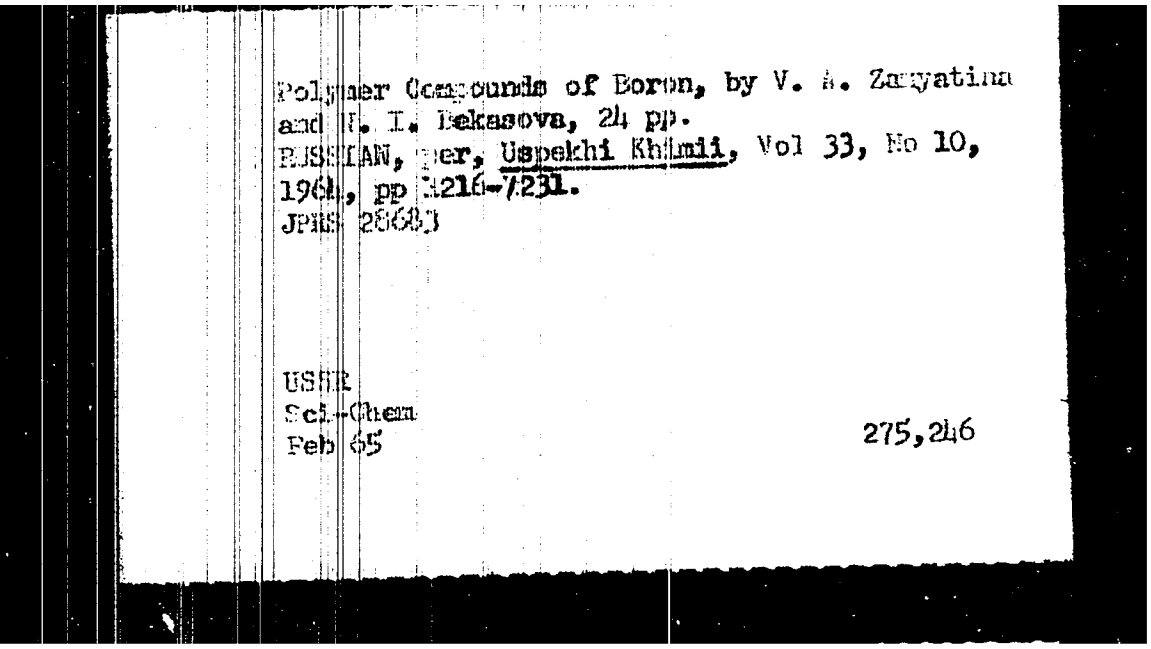

Polymer Compounds of Boron, by V. A. Zaytatina and N. I. Bekasova, 24 pp.
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Advances in the Synthesis of Heat-Resistant Polymers, by V. V. Korshak, Ye. S. Krongauz.
FOR OFFICIAL USE ONLY 89 pp.
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Structure and Properties of Organophosphorus Compounds, by V. I. Kodolov and S. S. Spasskiy, 39 pp.
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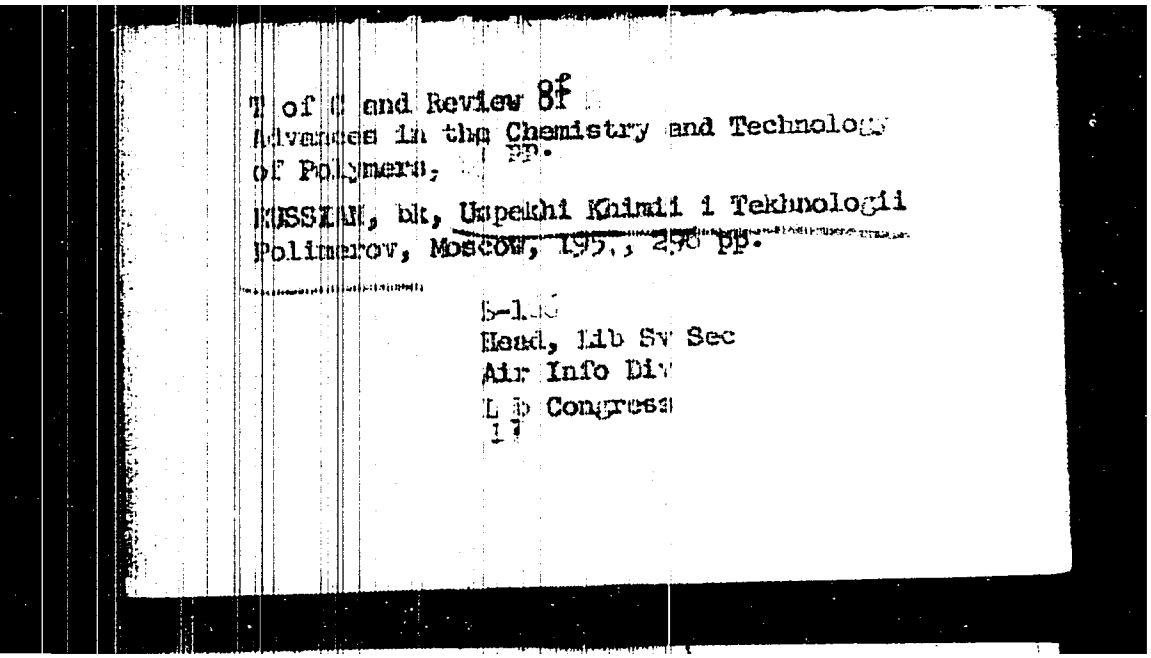

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RUSSIAN, bk, Uspekhi Khimii i Tekhnologii
Polimerov, Moscow, 195., 296 pp.

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Koton, M. M.
METHODS OF OBTAINING THERMOSTABLE POLYMERS. [196] [19]p. 81 refs. (DSIR LLU] M.3032. 61-27573
Order from OTS or SLA $1.60

Trans. of Uspekhi Khim[ii] i Tekhnol[ogii] Polimerov (USSR) 1960, v. 3, p. 107-129.

DESCRIPTORS: *Heat resistant polymers, Synthesis, Bibliography, Polymers.

The literature since 1954 on reactions leading to highly heat-resistant polymers is surveyed. Perhaps a third of the references are Soviet.

(Chemistry--Organic, TT, v. 6, no. 9)

61-27573

I. Koton, M. M.
II. DSIR LLU M.3032

185597

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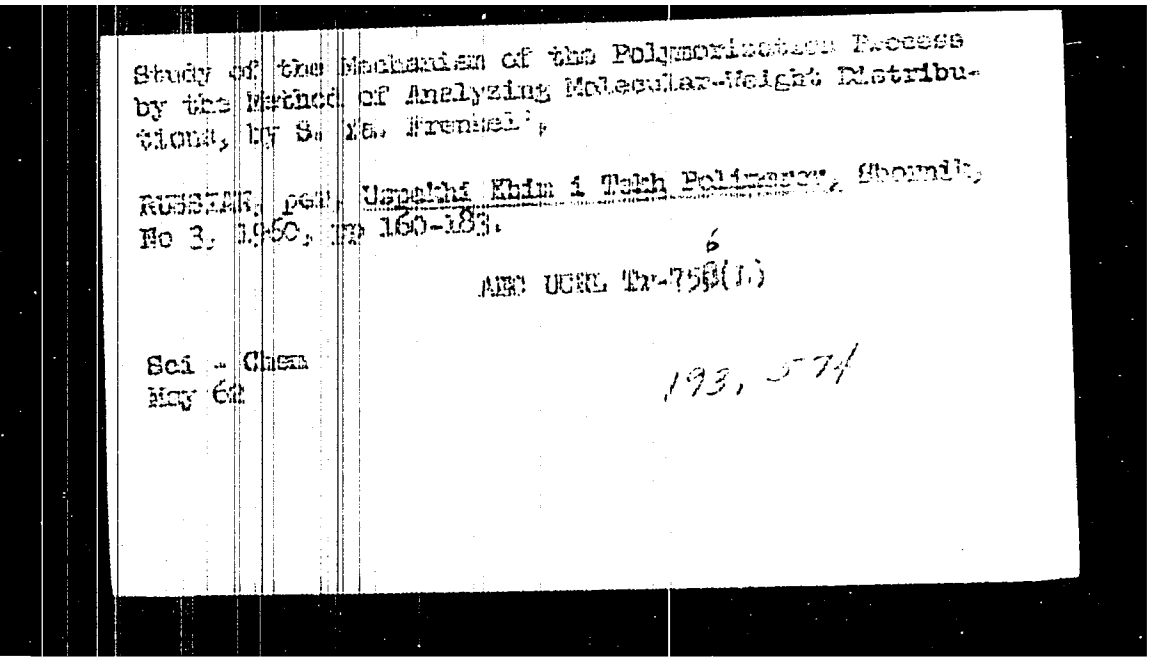

Study of the Mechanism of the Polymerization Process by the Method of Analyzing Molecular-Weight Distribution, by S. Ya. Frenkel'.

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AEC UCRL Tr-758(L)

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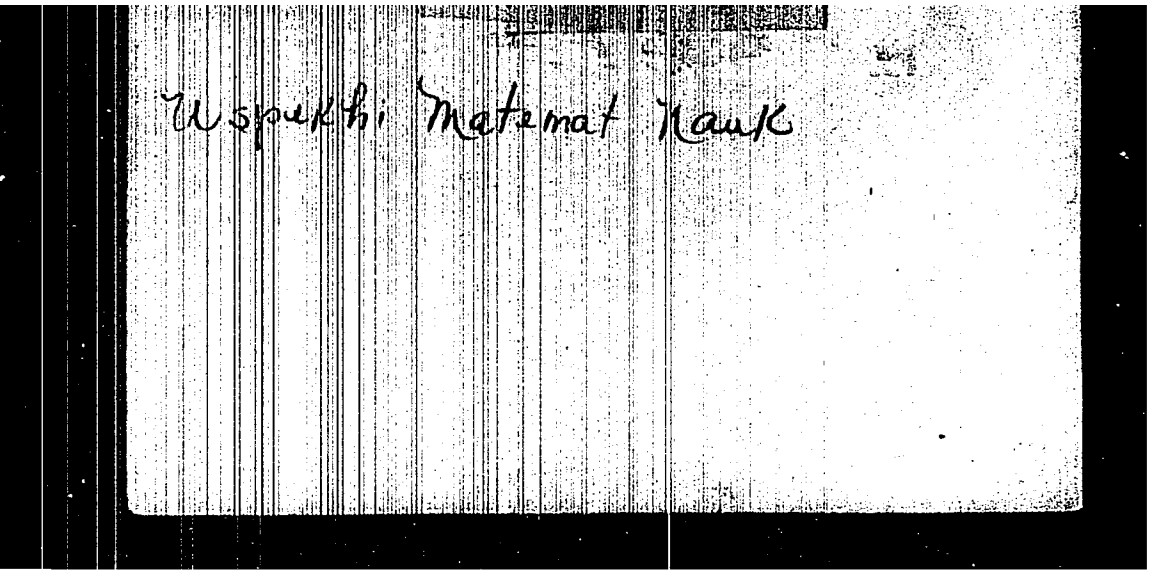

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Linear operators leaving invariant a cone in a Banach space, 128 pp
RUSSIAN per, Uspekhi Matematicheskikh Nauk, Vol 3, No 23, pp 3-95

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The Fixed Point Method in Analysis, by V. V. Nemyckiy,
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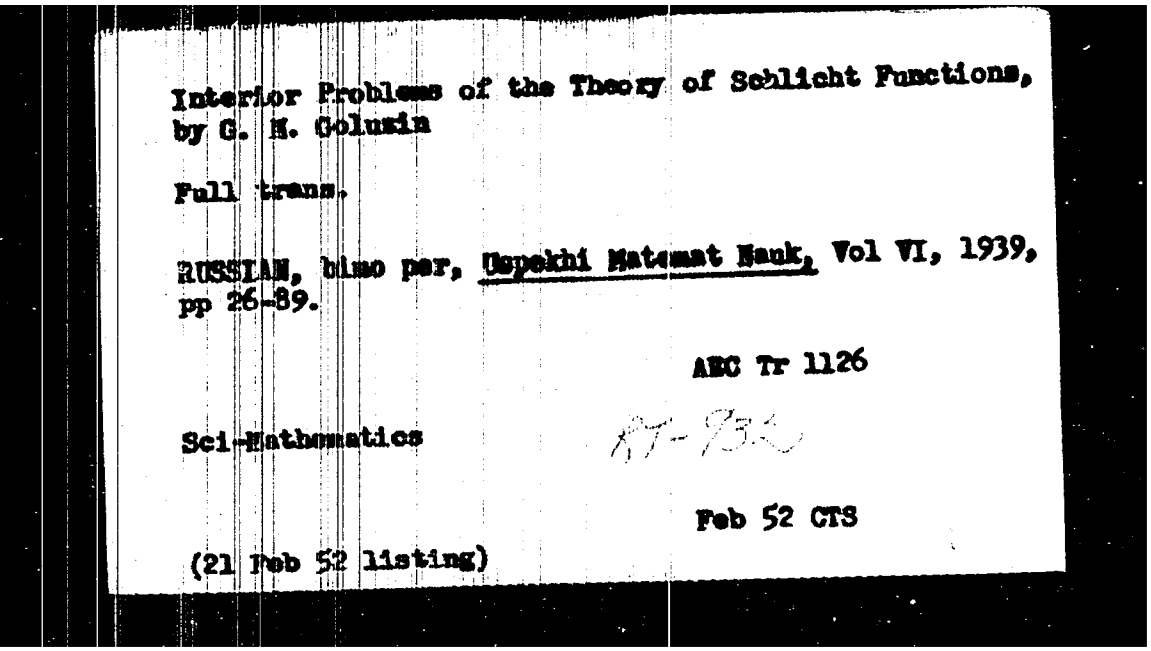

Interior Problems of the Theory of Schlicht Functions,
by G. M. Goluzin

Full trans.

RUSSIAN, bimo per, Uspekhi Matemat Nauk, Vol VI, 1939,
pp 26-89.

AEC Tr 1126

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Feb 52 CTS

(21 Feb 52 listing)

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B. V. Gnedenko

Limit theorems for sums of independent random variables, 82 pp
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